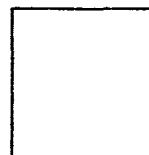


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LEVEL



INVENTORY

AD-A082406

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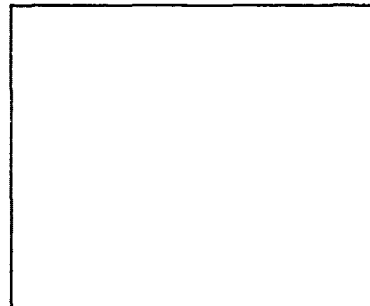
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MCCLELLAN AFB

DATA PROCESSING BRANCH

USAFETAC

Air Weather Service (MAC)

AD-A082406

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MCCLELLAN AFB CALIF/SACRAMENTO
N 38 40 W 121 24 ELEV 76 FT KMCC

WBAN# 23208
WMO# - - -

POR FROM HOURLY OBS: NOV 39-DEC 72
POR FROM DAILY OBS: NOV 39-DEC 72

JUL 22 1975

FEDERAL BUILDING
ASHEVILLE, N. C.

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Available
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THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations. 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
23208		MCCLELLAN AFB CALIF/SACRAMENTO		N 38 40		W 121 40		86		KMCC			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TYPE BAROMETER					
1	McClellan Fld Calif.	AAF	Nov 39	May 40	N 38 39	W 121 23	78	81	19				
2	Same	Same	Jun 40	Aug 44	Same	Same	Same	Same	24				
3	Same	Same	Sep 44	May 48	N 39 40	W 121 24	79	Same	24				
4	McClellan AFB Calif.	AFB	Jun 48	Feb 53	Same	Same	Same	Same	24				
5	Same	Same	Mar 53	Feb 69	Same	Same	72	82	24				
6	Same	Same	Mar 69	Dec 72	Same	Same	86	Same	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS. ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jun 40 to Dec 41	Located on Operations Bldg.	Anemometer	None	108 Ft	
2	Jan 42 to May 48	Same	Selsyn	ML-144	Same	
3	Jun 48 to Feb 53	Located on the Hangar.	Same	Same	120 Ft	
4	Mar 53 to Feb 55	Same	Same	Same	Same	
5	Mar 55 to Feb 61	Located right side of Rnwy 34, 1.1 miles N of Bldg 51.	AN/GMC-11	RO-2	15 Ft	
6	Mar 61 to Feb 62	Located 100 ft E of center of N-S Rnwy.	Same	Same	13 Ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 62 to Feb 69	Located 850 ft W of centerline of Rwy 16/34, 5500 ft from end of hwy 16.	Same	Same	Same	
8	Mar 69 to Sep 70	Same	Same	RO-362	Same	
9	Oct 70 to Dec 72	Same	AN/GMQ-20	Same	Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

WEATHER CONDITIONS

DECLASSIFIED BY CALIF/SACRMLT/STP 95-72

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE IN VARIOUS
CONDITIONS FROM VISUAL OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	111	.1	12.2	.0	.0		12.2	28.7	12.2		.0	32.2	23616
FEB		.1	10.5		.0		10.5	13.2	.0			21.5	21757
MAR		.1	7.3		.0	.0	7.3	3.2	3.3			6.2	24024
APR		.1	5.4				5.4	1.3	2.0			3.2	23136
MAY		.1	2.5				2.5	.4	.0		.0	1.3	23999
JUN		.1	.9				.9	.1	.5		.0	.7	22072
JUL		.0	.2				.2	.1	.5			.2	24156
AUG		.0	.3				.3	.1	1.1			1.1	24238
SEP		.1	.7				.7	.5	4.0		.1	4.5	23455
OCT		.1	2.9				2.9	3.4	9.7		.1	12.2	24231
NOV		.0	7.5			.0	7.6	15.1	17.6		.0	30.5	23659
DEC		.0	13.0	.0	.0		13.0	32.2	16.2		.0	45.8	24496
TOTALS		.1	5.4	.0	.0	.0	5.4	8.3	6.7		.0	14.0	263916

DATA PROCESSING BRANCH
 1011 LTAF
 11 WEATHER SERVICE / 1147

WEATHER CONDITIONS

237 5 MCCLELLA AFB CALIF/SACRAMENTO 40-72

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-01	.0	12.3				12.3	32.1	1.6			39.2	2055
	02-03	.0	14.8		.0		14.8	34.4	4.2			39.7	2926
	04-05	.1	15.4		.0		15.4	41.8	1.1			47.5	3022
	06-11		13.4	.1	.1		13.6	35.4	15.0			47.7	3047
	12-14		11.9		.0		11.9	21.6	10.1			39.7	3040
	15-17	.1	11.6				11.6	17.9	20.0		.0	35.3	3010
	18-20	.0	11.3				11.3	20.4	15.1			32.9	2921
	21-23		11.6				11.6	25.4	12.0			34.2	2059
TOTALS		.0	12.8	.0	.0		12.8	28.7	13.9		.0	39.5	23696

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / 440

WEATHER CONDITIONS

23208 MCLELLA AFB CALIF/SACRAMENTO 40-72

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
FE	00-01		11.0				11.0	15.0	0.1			19.0	2070
	02-03		11.0				11.0	19.7	0.4			23.0	2070
	04-05		12.3				12.3	26.1	0.8			37.0	2754
	06-07		10.7		0.0		10.7	19.0	13.3			29.8	2743
	08-09	.1	10.0				10.0	9.3	13.4			20.7	2741
	10-11	.1	9.7				9.7	5.6	14.2			19.0	2740
	12-13	.1	8.7				8.7	6.3	9.3			14.5	2687
	14-15	.1	9.3				9.3	9.6	7.4			15.3	2674
TOTALS		.1	10.5		0.0		10.5	13.0	9.8			21.5	21787

DATE OF OBSERVATION
 10/1/64
 STATION NUMBER 10/1/64

WEATHER CONDITIONS

STATION ACCELLA OF CALIF/SACKAMONT
 STATION NAME

10-1

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM 10/1/64 OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAZ	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
10-0			7.9				7.9	2.1	1.1			3.1	277
10-0			7.7				7.7	4.0	1.1			5.4	210
10-0			7.9				7.9	10.1	1.2			15.2	3031
10-11			7.6			.0	7.6	4.1	1.9			12.6	3055
12-1		.1	7.7		.1	.0	7.7	1.7	4.8			6.5	3059
10-1		.2	8.4				8.4	1.1	3.3			4.4	3074
10-2		.1	7.4				7.4	.5	2.0			2.7	2963
21-22			7.6				7.6	.2	.7			1.5	2962
TOTALS		.1	7.8		.0	.0	7.8	3.3	3.3			6.2	24024

DATA BY CLOSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

WEATHER CONDITIONS

23000 MCCLLELLA AFB CALIF/SACRAMENTO 40-7, 40-7, 40-7
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AP	00-01		5.0				5.0	.1	.3			1.4	2854
	02-03		5.7				5.7	2.0	1.1			3.8	2865
	04-05		5.3				5.3	4.4	5.6			3.6	2922
	06-11	.0	5.4				5.4	1.4	4.0			5.2	2953
	12-14	.1	5.5				5.5	.3	2.3			2.6	2944
	15-17	.2	5.8				5.8	.3	1.3			1.6	2919
	18-2	.1	5.2				5.2	.5	.9			1.4	2861
	21-23		5.1				5.1	.3	.4			.7	2865
TOTALS		.1	5.4				5.4	1.3	2.0			3.2	23198

DATA PROCESSING
USAF ETAC
11 WEATHER SERVICE / AC

WEATHER CONDITIONS

23249 MCCLILLA AF - CALIF/SACRAMENT

40-72

AY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREFZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1A	00-01	.1	3.0				3.0	.0	.1			.3	2950
	02-03	.0	2.7				2.7	1.1	.0			1.0	2950
	04-05		2.4				2.4	1.3	3.0		.0	4.1	3023
	06-07		2.3				2.3	.3	1.6			1.0	3051
	08-09	.6	2.4				2.4	.1	1.0			1.0	3050
	10-11	.3	2.3				2.3	.3	.2			.5	3024
	12-13	.2	3.2				3.2	.2	.2			.4	2959
	14-15	.1	2.2				2.2		.1			.1	2960
	16-17												
	18-19												
	20-21												
	22-23												
TOTALS		.1	2.6				2.6	.4	.9		.0	1.3	23999

DATA PROCESSING REPORT
 USAF ETAC
 AIR WEATHER SERVICE /AF

WEATHER CONDITIONS

23302 MOBILELLA AF CALIF/SACRAMENTO 47-72

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-01	.1	1.0				1.0		.1			.1	2313
	03-04	.1	.8				.3	.4	.5			.0	2871
	06-07	.0	1.0				1.0	.6	1.0		.0	2.4	2897
	09-11		1.1				1.1	.7	1.1			1.3	2898
	12-14		.9				.9		.6		.0	.6	2902
	15-17	.0	1.1				1.1		.4			.4	2907
	18-20	.1	.6				.6		.1			.1	2873
	21-23	.1	.7				.7						2814
TOTALS		.1	.9				.9	.1	.6		.0	.7	22975

DATA PROCESSING
 1501 RTAC
 AIR WEATHER SERVICE / 140

WEATHER CONDITIONS

23206 4000000 AF CALIF/SACRAMENTO 40-72 JUL
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-07	.0	.1				.1		.2			.2	29-2
	08-07	.0	.1				.1	.2	.6			.2	3010
	06-07	.0	.2				.2	.2	1.9			.2	3040
	09-11	.0	.2				.2		1.7			1.7	3039
	12-14	.1	.3				.3		.9			.9	3054
	15-17	.0	.1				.1	.0	.4			.4	3044
	18-20		.1				.1	.0	.4			.4	3025
	21-23	.1	.2				.2		.1			.1	2960
TOTALS		.0	.2				.2	.1	.8			.8	24158

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USAF ETAC
AFR WEATHER SERVIC /TAC

WEATHER CONDITIONS

2320R MCLELLA AFB CALIF/SACRAMENTO 40-72

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-01	.0	.2				.2						2971
	03-05		.3				.3	.7	.5			.7	3032
	06-08	.1	.3				.3	.4	2.5			3.1	3060
	09-11		.2				.2	.7	2.3			2.3	3057
	12-14		.2				.2		1.7			1.7	3057
	15-17		.3				.3		.7			.7	3050
	18-20	.0	.3				.3		.5			.5	3035
	21-23		.3				.3	.1				.1	2970
TOTALS		.0	.3				.3	.1	1.1			1.1	24238

DATA PROCESSING
 1551 LTAC
 AIR WEATHER SERVICE

WEATHER CONDITIONS

2318 MCLELLAN AFB CALIF/SACKAGIT 47-72
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1	00-01	.0	.3				.3	.0	.0			.0	2175
	02-03	.1	.8				.4	.0	1.3			2.1	2136
	04-05	.1	1.1				1.1	2.1	5.0		.1	10.7	2962
	06-11		1.0				1.0	.8	1.1		.3	6.2	2962
	12-14	.2	.8				.6	.1	5.5		.3	6.9	2962
	15-17	.2	.5				.5	.0	3.4		.1	3.6	2950
	18-21	.2	.5				.5		2.9		.0	2.9	2934
	21-23	.1	.4				.4	.1	1.2			1.2	2874
TOTALS		.1	.7				.7	.5	4.0		.1	4.5	23455

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / SAC

WEATHER CONDITIONS

23204 MOCLELLA AFB CALIF/SACRAMENTO 40-72 01
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
01	00-01	.0	2.8				2.2	3.4	4.6			7.2	2173
	02-03	.1	3.2				3.2	5.0	4.0			2.5	3020
	04-05	.0	2.9				2.9	10.6	14.2		.0	23.5	3055
	06-07		2.7				2.7	4.4	16.2		.5	20.1	3051
	08-09		3.2				3.2	1.5	12.4		.1	13.6	3054
	10-11	.0	3.1				3.1	1.0	9.9		.1	10.0	3057
	12-13	.1	2.6				2.6	.9	8.5			9.2	3024
	14-15	.1	2.9				2.9	2.2	6.7		.0	8.3	2971
TOTALS		.1	2.9				2.9	3.8	9.7		.1	12.8	24231

DATA PROCESSING
 1500 LTAC
 11/10/76

WEATHER CONDITIONS

STATION MONTH
 SACRAMENTO CALIF 30-76

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM 100 HOURS OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH CBST TO VISION	TOTAL NO OF OBS
01	00-0	.1	7.9				7.9	15.7	11.3			25.3	2373
	03-0		6.3				6.3	20.0	5.3			27.2	2932
	06-0	.0	6.7				6.7	30.7	15.3			42.3	3002
	09-1		7.9				7.9	19.7	25.3		.1	40.0	3027
	12-1	.1	7.1				7.1	9.7	22.5			30.0	3027
	15-17	.1	7.6			.0	7.6	7.7	22.4		.0	28.6	2992
	19-2		6.9				6.9	7.4	13.6			25.1	2934
	21-23		6.7				6.7	10.6	14.8			24.2	2572
TOTALS		.0	7.6			.0	7.6	15.1	17.6		.0	30.6	23659

DATA PROCESSING CO.
1540 E. 10th
AIR WEATHER SERVICE / AF

WEATHER CONDITIONS

STATION 237 McClellan AFB, CALIF/SACRAMENTO 57-72 51
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
01	00-01		12.7		.1		12.7	34.5	11.0			47.7	2962
	03-04	.0	14.9		.0		14.9	38.1	5.5			44.5	3070
	05-06		17.0	.1			17.1	45.2	17.5		.0	53.7	3126
	09-11		14.0				14.0	39.2	21.3		.1	55.7	3154
	12-14	.0	11.9				11.9	25.0	22.4			46.0	3155
	15-17	.0	10.6		.0		10.7	22.0	27.7			43.1	3170
	18-20		11.3		.0		11.3	23.5	18.3			39.2	3010
	21-23		11.2		.1		11.2	29.4	14.5		.1	41.7	2953
TOTALS		.0	13.0	.0	.0		13.0	32.2	18.2		.0	45.8	24496

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XX **WEATHER CONDITIONS** XX
ATMOSPHERIC PHENOMENA

23208

MCCLELLAN AFB CALIF/SACRAMENTO

46-72

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO O- OBS
JAN	DAILY	.5	49.6	.2	.4	.5	45.4	61.1	47.4			59.5	937
FEB		1.2	39.2		.1	.8	37.5	42.0	39.3			53.7	763
MAR		1.7	33.6		.1	1.0	33.5	17.3	17.0			25.4	837
APR		2.7	23.3		.1	1.5	23.2	8.0	8.3			13.6	810
MAY		1.8	15.6			.4	15.2	3.5	5.3			6.9	837
JUN		.9	7.9				7.5	1.0	4.1			4.7	810
JUL		.6	2.7				2.4	.6	6.1			6.4	934
AUG		.4	3.9				3.5	1.1	6.6			7.0	837
SEP		1.5	7.6			.1	7.0	3.7	19.5		.1	21.4	810
OCT		.4	14.7				14.3	17.7	34.2			41.1	837
NOV		1.5	33.8			.1	31.7	47.3	53.6			67.4	810
DEC		.6	46.8	.2	.7	.4	44.7	64.9	51.3		.1	79.6	837
TOTALS		1.1	23.2	.0	.1	.4	22.2	22.4	24.4		.0	32.7	9859

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

4 DATA FOR SURF...
US...
AIR...

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-24	25-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 104					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	5.1	10.4	2.1	5.5	2.4	5.3	4.5	1.7	2.2	.2				2.8	121	1.1	1.1	.5
FEB	10.7	10.2	2.1	4.5	3.6	5.5	2.5	1.1	4.7		.1			2.8	121	1.1	1.1	.5
MAR	10.3	9.7	1.4	1.5	4.5	5.2	4.4	5.1	.5					2.8	121	1.1	1.1	.5
APR	7.7	7.1	1.5	2.4	1.6	5.2	3.5	2.4	.5	.1				17.2	121	1.4	1.1	.5
MAY	14.4	5.8	1.3	2.2	1.2	3.1	1.5	.5	.5					17.7	121	.71	1.1	.5
JUN	11.0	5.1	.4	1.7	.4	1.2	.4	.1						7.3	92	.12	.7	.5
JUL	17.8	1.7	.4	.2	.1									.4	101	.39	.5	.5
AUG	17.1	2.1	.5		.1	.2	.3							.9	102	.25	.44	.5
SEP	23.1	3.5	.9	.7	.3	.5	.5	.3	.1					3.1	99	.11	2.3	.5
OCT	23.4	1.1	1.4	2.1	1.5	2.1	2.5	1.2	.4	.1				10.5	102	.53	3.3	.5
NOV	26.2	9.2	1.8	4.7	1.8	4.1	3.5	3.5	1.6					22.6	101	2.35	7.5	.5
DEC	53.0	16.9	2.7	4.4	2.5	3.5	6.5	5.5	1.9	.2				30.1	105	3.47	5.7	.42
ANNUAL	76.7	7.9	1.4	2.5	1.7	3.3	3.1	2.4	1.9	.1	.5			15.4	12105	1.92		

DATA PROCESSING SECTION
USAF/ETAC/DLH
AF WEATHER SERVICE/ILC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

23201 MOLELLA AFB CALIF/SACRAMENTO 19-72

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
39													
40	1.01	1.05	1.75	.07	.45	TRACE	.00	.00	.00	.20	.70	1.04	1.70
41	1.01	.85	.95	1.34	2.44	.01	.00	TRACE	.00	.25	.21	.07	2.44
42	.57	.82	.95	.91	.33	.00	.00	.00	.00	.15	.46	.59	.95
43	2.04	.21	.73	1.22	.55	.17	TRACE	.00	.00	.36	.15	.00	2.04
44	.31	1.54	.46	.47	.32	.08	.00	.00	TRACE	.43	.98	.41	1.60
45	1.11	2.21	1.02	.16	.34	.04	.00	.00	.00	.74	.62	1.57	2.21
46	.57	.47	.48	TRACE	.42	.00	TRACE	.00	.01	.40	.73	.07	.73
47	.47	1.32	.56	.13	.13	.24	.00	.00	TRACE	.68	.48	.36	1.32
48	.37	.42	.86	.45	1.23	TRACE	.00	.00	.01	.57	.56	1.29	1.29
49	1.47	.53	.98	.00	.21	.00	.00	.01	TRACE	.00	1.57	.03	1.47
50	.96	1.49	.69	.54	.31	TRACE	.00	TRACE	.45	1.01	2.18	1.29	2.18
51	.73	.70	.40	.85	.94	.00	.00	.00	.14	1.52	1.72	2.04	2.04
52	1.74	.76	2.20	.64	.09	.23	.01	.00	.20	.00	.45	2.03	2.20
53	.95	.12	.74	1.79	1.11	.72	.00	.35	.00	.19	.83	.64	1.79
54	1.67	1.58	1.08	1.38	.18	TRACE	.00	.36	.30	.67	1.49	1.99	1.99
55	.93	.99	.12	.78	.76	TRACE	.00	.00	.51	.59	.57	3.03	3.03
56	1.94	1.03	.01	.80	.86	TRACE	.00	.00	.61	1.41	.03	.42	1.94
57	.94	1.10	.95	.92	1.18	TRACE	TRACE	.00	.42	.72	.64	1.24	1.24
58	1.13	1.96	1.15	2.00	.73	.40	.01	TRACE	.21	.24	.08	.72	2.30
59	1.44	1.51	.22	.85	.02	.00	TRACE	TRACE	2.01	.00	TRACE	.73	2.01
60	.87	1.78	.61	.54	.47	.00	TRACE	.00	TRACE	.05	1.20	.60	1.78
61	1.13	.57	1.01	.31	.27	TRACE	TRACE	.01	.09	.04	1.39	.63	1.39
62	1.44	3.04	.92	.33	.01	TRACE	TRACE	.11	.08	3.59	.55	.84	3.04
63	2.77	.61	1.55	.97	1.09	TRACE	.00	TRACE	.21	.97	1.25	.23	2.77
64	.92	.42	.33	.20	.26	.37	TRACE	.05	.00	.91	.76	2.05	2.05
65	.93	.19	.62	.75	.07	TRACE	.02	.44	TRACE	.04	.81	1.02	1.02
66	1.22	.30	.07	.23	.24	TRACE	.04	TRACE	TRACE	.00	1.36	.79	1.36
67	2.73	.38	.90	1.00	.08	.23	TRACE	TRACE	.01	.11	.44	.63	2.73
68	1.14	.61	.54	.39	.48	.04	.00	.17	TRACE	.30	.84	.82	1.14
MEAN													
S. D.													
TOTAL OBS.													

NOTE * (BASED ON 1 FULL MONTHS)

DATA PROCESSED BY
USAF/ETAC/ML A
AIR WEATHER SERVICE /AAC

EXTREME VALUES MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

23214 MUCLELLA AFB CALIF/SACRAMENTO 27-77
STATION STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
30													
40	3.11	4.44	4.03	.72	.63	TRACE	.60	.60	.60	.42	1.66	3.06	2.37
41	3.72	4.23	2.16	3.09	2.86	.31	.03	TRACE	.05	.39	.79	4.45	21.34
42	1.21	2.47	2.59	3.55	.67	.00	.00	.60	.04	.60	1.71	3.17	15.20
43	3.04	.85	2.56	1.53	.69	.20	TRACE	.00	.00	.00	.34	2.13	14.00
44	2.21	2.95	.60	1.23	.66	.13	.30	.00	TRACE	1.00	2.32	2.32	10.40
45	1.52	4.75	2.50	.10	.70	.10	.00	.00	.00	1.90	1.43	2.52	15.50
46	.74	.99	1.01	TRACE	.63	.00	TRACE	.60	.11	.52	1.57	1.54	5.37
47	.60	2.34	2.21	.23	.18	.52	.00	.00	TRACE	2.50	.57	.63	3.93
48	.54	1.22	3.25	3.00	2.49	TRACE	.00	.00	.01	.72	.65	3.38	17.30
49	2.04	2.26	5.00	.00	.35	.00	.06	.01	TRACE	.10	1.77	2.39	13.77
50	3.31	3.32	1.71	1.22	.57	TRACE	.00	TRACE	.06	2.86	1.39	5.40	25.01
51	3.30	1.63	.95	.85	1.09	.00	.00	.00	.21	1.73	3.85	6.31	18.07
52	10.34	2.23	3.36	1.26	.09	.42	.01	.00	.00	.00	2.70	7.36	22.40
53	4.24	.16	2.12	2.94	1.53	.79	.00	.35	.00	.00	2.35	.39	15.47
54	4.21	4.17	4.38	2.34	.13	TRACE	.00	.30	.00	.02	2.99	5.32	24.73
55	3.30	1.61	.24	2.93	.95	TRACE	.00	.00	.00	.32	1.70	15.78	20.65
56	7.21	2.75	.01	1.63	1.21	TRACE	.00	.00	.61	1.90	.03	.42	18.05
57	2.33	5.03	3.19	2.04	2.44	TRACE	TRACE	.00	.65	1.44	.78	3.52	21.47
58	3.20	3.46	6.04	3.40	1.52	.61	.01	TRACE	.21	.24	.13	.59	29.27
59	3.89	6.11	.08	.92	.02	.00	TRACE	TRACE	2.39	.00	TRACE	1.65	16.98
60	4.69	4.88	2.23	1.70	.64	.00	TRACE	.00	TRACE	.06	3.45	1.24	20.01
61	5.11	1.51	3.57	.95	.34	TRACE	TRACE	.01	.09	.07	3.07	1.24	14.41
62	1.71	12.65	2.01	.47	.02	TRACE	TRACE	.11	.10	5.62	.38	2.37	26.34
63	4.79	1.56	3.87	3.37	1.29	TRACE	.00	TRACE	.22	1.70	4.82	.43	21.85
64	2.27	.72	1.14	.20	.55	.45	TRACE	.00	.00	1.51	2.68	2.34	16.07
65	3.14	.41	1.24	3.05	.57	TRACE	.72	.44	TRACE	.06	3.44	2.75	14.32
66	1.99	1.29	.23	.26	.36	TRACE	.04	TRACE	TRACE	.00	6.08	3.33	*13.58
67	7.49	.38	3.46	4.42	.12	.60	TRACE	TRACE	.02	.19	1.65	1.53	19.86
68	3.08	2.49	2.62	.39	.60	.04	.67	.17	TRACE	.74	3.24	3.41	16.76
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON < FULL MONTHS)

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(FROM DAILY OBSERVATIONS)

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DATA PROCESSING FORM
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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NO. 100000 STATION NAME 100000 YEARS 100000

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.9	.1												.1	837	.1	.1	
FEB	99.9	.1												.1	702	.1	.1	
MAR	100.0														837	.1	.1	
APR	99.9	.1													837	.1	.1	
MAY	100.0														837	.1	.1	
JUN	100.0														837	.1	.1	
JUL	100.0														837	.1	.1	
AUG	100.0														837	.1	.1	
SEP	100.0														837	.1	.1	
OCT	100.0														837	.1	.1	
NOV	100.0														837	.1	.1	
DEC	99.9	.1	.1											.1	837	TRACE	.1	
ANNUAL	99.9	.1	.1											.1	802	.1		

DATA P10-331.0 ON CH
 USAF/ETAC/RLA
 AIR WEATHER SERVICE/740

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

237.8 MCCLULLA 29-72
 STATION STATION NAME YEARS

24 HOUR AVERAGES IN INCHES

MONTH YEAR	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
37													
38													
39													
40													
41													
42													
43													
44													
45													
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
67	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON < FULL MONTHS)

DATA PROCESSING SERVICE
USAF/ETAC/30 A
AIR WEATHER SERVICE / AS

EXTREME VALUES

MONTHLY SUMMARY

FROM DAILY OBSERVATIONS

23265 MCGLELLA 12- CALIF/SACKA INT 29-72

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22		TRACE											TRACE
23													
24													
25													
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27													
28													
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30													
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32													
33													
34	TRACE												TRACE
35													
36													
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43													
44	TRACE												TRACE
45													
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54	TRACE												TRACE
55													
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58	TRACE												TRACE
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64	TRACE												TRACE
65													
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67	TRACE												TRACE
68													
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89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON < FULL MONTHS)

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DATE: 5-25-54
 TIME: 2:40
 AIR: 541000Z MAY 54

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2500	OVER 2500			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.9	.1												102.1				
FEB	100.0													102.1				
MAR	99.9	.1												102.1				
APR	100.0													102.1				
MAY	100.0													102.1				
JUN	100.0													99.9				
JUL	100.0													102.1				
AUG	100.0													102.1				
SEP	100.0													99.9				
OCT	100.0													102.1				
NOV	100.0													102.1				
DEC	99.9	.1												102.1				
ANNUAL	100.0	.0												121.7				

DATA RELEASES TO THE
USAR/ETAC/70
AIR RESEARCH CENTER / 40

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

7 JULY 1968 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1													
2													
3													
4													
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64													
65													
66													
67													
68													
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON < FULL MONTHS)

DATA PROCESSING DIVISION
USAF/ETAC/DL A
AIR WEATHER SERVICE / WFO

FROM DAILY OBSERVATIONS

2425 40611A 6 4419/SACRA FTL 04-12
STATION STATION NAME YEARS

DATE RECEIVED: 11/15/1994

[illegible]

NOTE * (BASED ON \leq FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

DATA: 1960-1961
USAF/ETAC/70L
AIR WEATHER SERVICE / 1A

EXTREME VALUES

FROM DAILY OBSERVATIONS

73204 MUCILLA (P) CAL: 7/5-1960 42-72

STATION

STATION NAME

YEARS

TABLE: PCL: 100000 100000

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1													
2													
3													
4													
5													
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64													
65													
66													
67													
68													
69													
70													
71													
MEAN													
S.D.													
TOTAL OBS.													

NOTES: * (BASED ON < FULL MONTHS)

\$ (BASED ON < FULL MONTHS AND +100 KNOTS)

4

FROM DAILY OBSERVATIONS:

WCL:LLA

STATION NAME

45-17

YEARS

100-443887-1

MEAN	46.3	41.0	39.2	35.1	32.2	32.1	24.0	24.0	27.8	35.1	39.5	41.5	33.1
S. D.	8.98	10.61	9.57	7.58	9.37	7.37	5.72	5.02	5.94	10.64	9.03	11.20	7.72
TOTAL OBS.	70	71	79	76	79	76	79	78	77	79	76	82	95

USAF ETAC FORM 0-88-5 (OU)

\$ (BASED ON 4 FULL MONTHS AND +100 KNOTS)

DATA PROCESSING SECTION
STATION NO.
AIR FORCE SERVICE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 28384 AGC LLA CAIF/SW (KALIF) 19-71 YEARS LL
STATION NAME CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	1.6	.7	.3	.1	.1	.0				5.0	7.5
NNE	.3	.2	.2	.1	.3	.0	.1	.0				1.3	5.5
NE	.6	.5	.2	.0	.6	.0	.2					1.2	4.5
ENE	.2	.2	.1	.0	.0	.0						.4	4.3
E	1.0	.3	.3	.0	.0							2.2	4.1
ESE	.9	1.4	.6	.1	.0	.0						3.1	5.2
SE	1.8	4.6	5.7	1.0	.2	.1	.0	.0	.0	.0		13.4	7.0
SSE	1.4	4.3	6.7	2.4	.6	.2	.1	.0	.0			15.7	4.5
S	2.0	4.5	7.0	2.9	.7	.1	.0	.0	.0			17.1	4.2
SSW	.8	1.7	2.1	.9	.1	.0	.0	.0				5.6	7.6
SW	.9	1.3	1.2	.4	.1	.0	.0	.0				3.9	4.5
WSW	.4	.4	.2	.1	.0	.0	.0					1.0	5.2
W	.8	.8	.4	.3	.0	.0		.0				1.9	4.5
WNW	.6	.7	.4	.1	.0	.0	.0					1.7	5.2
NW	1.2	1.6	1.5	.6	.2	.1	.0	.0	.0			5.3	7.6
NNW	.9	1.4	1.5	.9	.4	.2	.1	.0	.0			5.3	4.3
VARBL													
CALM												14.9	
	15.4	26.3	29.2	10.0	2.2	1.0	.3	.1	.0	.0		100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 283884

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / 441

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232-5 STATION 232-5 RUCFLA AF CALIF/SACRAMENTO 49-77 YEARS MONTH ALL
STATION NAME CLASS ALL
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.6	2.5	.9	.5	.3	.1	.0				2.5	7.6
NNE	.8	.6	.4	.1	.0	.0						2.1	4.9
NE	.9	.6	.3	.0								2.1	4.2
ENE	.4	.3	.1	.0								.7	4.2
E	1.4	1.1	.4	.0								2.9	4.1
ESE	1.9	1.2	.6	.1	.0							2.9	4.9
SE	2.1	3.7	3.3	1.3	.4	.2	.1	.0	.0			11.5	7.6
SSE	1.4	3.4	4.4	3.4	1.8	.7	.2	.1	.1			15.5	17.5
S	2.2	3.1	3.7	1.9	.8	.3	.1	.0	.0			12.1	3.5
SSW	.6	.6	.5	.4	.1	.0						2.3	7.3
SW	.7	.4	.4	.1	.0	.0	.0					1.7	5.4
WSW	.3	.2	.1	.0	.0							.7	5.0
W	.2	.4	.1	.1	.0							1.4	4.0
WNW	.7	.4	.2	.0								1.3	4.0
NW	1.6	1.6	1.2	.4	.2	.1	.0	.0				5.4	6.6
NNW	1.1	1.9	1.9	.8	.5	.3	.1					6.6	6.7
VARBL													
CALM												21.2	
	18.7	22.7	20.9	9.6	4.4	1.4	.6	.1	.0			100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 23698

DATA PROCESSING BRANCH
 FTMC/AF
 ALL WEATHER SER 10 / 442

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232. MCCLELLA AF CALIF/SACRAMENTO 40-72 1953
 STATION STATION NAME YEARS
ALL WEATHER
 CLASS
ALL
 HOURS (L & T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.5	2.1	1.2	.5	.3	.1					9.7	7.9
NNE	.8	.7	.3	.1	.0			.0				2.0	5.1
NE	.3	.6	.3	.0								1.3	4.2
ENE	.4	.3	.1		.6							.9	4.1
E	1.6	1.5	.4	.5	.0							3.6	4.2
ESE	1.1	1.8	.7	.1								3.7	4.9
SE	2.2	4.6	4.4	1.1	.4	.2	.1	.0		.0		12.0	7.2
SSE	1.5	3.2	3.6	2.3	1.1	.6	.1	.0				12.7	9.6
S	2.0	3.2	3.9	2.0	.6	.2	.0	.0				11.9	8.2
SSW	.6	.8	.8	.4	.0	.0	.0					2.7	7.4
SW	.7	.6	.5	.3	.1	.0						2.2	6.3
WSW	.3	.2	.1	.1	.0	.0						.7	5.5
W	.7	.5	.2	.0	.0							1.5	4.4
WNW	.7	.5	.2	.0								1.4	4.4
NW	1.3	1.7	1.4	.7	.3	.1	.1	.0				5.5	7.8
NNW	1.1	1.7	1.7	1.5	.8	.5	.2	.0				7.4	10.5
VARBL													
CALM												20.4	
	17.8	24.5	21.0	9.9	3.8	1.9	.5	.1		.0		100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 21780

DATA PROCESSING BRANCH
 FTAC/USAF
 AIR WEATHER SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 232.3 STATION NAME MOBILE ALA CALIF/SACRAMENTO YEARS 40-12 MONTH ALL
 CLASS ALL WEATHER
 CONDITION ALL
 HOURS (L & T) ALL

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	2.0	1.1	.5	.1	.1	.0				7.2	7.2
NNE	.0	.0	.2	.1	.1	.0	.0					1.7	5.3
NE	.0	.5	.2	.0	.0	.0						1.4	4.7
ENE	.2	.3	.1	.0	.0	.0						.7	5.0
E	1.2	1.1	.4	.0								2.8	4.2
ESE	1.2	2.0	.9	.1	.0							4.2	5.2
SE	1.8	4.0	4.9	.9	.3	.1	.1	.0				12.8	7.2
SSE	1.5	4.2	5.3	1.9	.8	.3	.1	.0				14.1	8.6
S	1.6	4.2	5.4	2.2	.6	.1	.0					14.3	8.0
SSW	.2	1.4	1.0	.9	.1	.0						4.9	7.8
SW	.3	1.0	1.0	.4	.1	.0						3.5	6.8
WSW	.4	.5	.3	.1	.0	.0						1.1	5.8
W	.5	.6	.2	.1	.0							1.7	4.5
WNW	.0	.0	.3	.1	.0	.0						1.7	5.3
NW	1.2	1.0	1.8	.9	.4	.2	.1	.0	.0			5.2	8.7
NNW	1.0	1.7	2.0	1.6	.8	.4	.2	.0				7.7	10.3
VARBL													
CALM												13.8	
	16.4	26.6	26.9	10.6	3.8	1.4	.4	.1	.0			100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 24025

4

DATA PROCESSING OF
STATION
AT METEOROLOGICAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23000 MOCLLLA AF CALIF/SACRAMENTO 40-12 AF
STATION STATION NAME YEARS MONTH
ALL MONTHS
CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.8	1.5	.5	.3	.1	.0	.0				5.2	7.3
NNE	.5	.5	.2	.1	.0							1.3	5.1
NE	.4	.4	.2	.0	.0	.0						1.1	5.1
ENE	.3	.3	.1									.6	4.3
E	.8	.9	.2	.0								1.9	4.3
ESE	.8	1.8	.8	.1	.0	.0						3.6	6.3
SE	1.7	4.6	6.6	1.0	.2	.0	.0					14.3	7.1
SSE	1.4	4.3	6.1	1.9	.4	.1	.3					14.3	7.9
S	1.7	4.5	6.9	2.9	.6	.1	.0	.0				16.7	8.2
SSW	.3	1.7	2.2	1.0	.2	.0						5.0	7.8
SW	1.5	1.5	1.5	.6	.1	.0						4.6	7.0
WSW	.5	.4	.3	.1	.0							1.3	5.5
W	.2	.5	.3	.1	.0	.0						2.1	4.8
WNW	.5	.8	.4	.1	.0							1.7	5.3
NW	1.3	1.8	1.8	.9	.3	.3	.1	.0	.0			6.6	8.7
NNW	1.0	1.8	2.0	1.3	.4	.3	.1	.0				6.8	7.2
VARBL													
CALM												11.3	
	15.0	28.1	31.1	10.7	2.4	.9	.3	.1	.0			100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 23199

DATA PROCESSING FROM
F10/USAF
AF WEATHER SERVICE /

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232 STATION MCCLELLA AF CALIF/SACRAMENTO YEARS 50-72 MONTH ALL

CLASS ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.1	.0	.2	.1	.0					4.0	7.7
NNE	.2	.2	.1	.1								.7	5.5
N'	.3	.3	.2	.0	.0							.8	5.0
ENE	.1	.2	.0	.0								.3	4.6
E	.5	.0	.2	.0								1.3	4.4
ESE	.8	1.3	.0	.0								2.9	5.2
SE	1.4	4.9	6.0	.9	.0	.0						14.0	7.0
SSE	1.2	4.5	7.9	2.4	.3	.0	.0					15.4	8.0
S	1.0	4.7	9.1	4.3	1.0	.2	.0					21.1	8.8
SSW	.7	2.2	3.4	1.5	.3	.0						5.1	8.3
SW	1.0	1.9	2.1	.8	.1	.0	.0	.0				5.0	7.4
WSW	.4	.6	.3	.1	.0							1.5	5.7
W	.7	1.1	.4	.1	.0							2.4	5.1
WNW	.5	.9	.7	.2	.0							2.3	6.2
NW	.9	1.5	1.8	1.0	.3	.2	.1					5.8	8.8
NNW	.6	1.1	1.3	1.0	.4	.3	.1	.0				4.7	10.3
VARBL													
CALM												7.5	
	12.1	27.2	36.1	13.1	2.7	.8	.2	.0				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 23996

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / AL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 23205 McClellan AB (CALIF/SACKA) ST. 40-7- YEARS MONTH DATE ALL DAYTIME CLASS ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.0	.0	.4	.1	.1	.0	.0				3.0	3.1
NNE	.2	.1	.1	.1	.3	.0	.0	.0				.6	7.5
NE	.2	.2	.1	.0	.0	.0						.5	5.9
ENE	.1	.1	.0	.0								.2	4.9
E	.4	.3	.1	.0	.0							.6	4.2
ESE	.0	.6	.5	.0								2.0	5.2
SE	1.4	4.4	8.0	1.1	.1							14.9	7.3
SSE	.2	4.2	9.6	3.0	.3	.0						18.4	5.3
S	1.6	5.1	10.9	5.0	1.2	.1						22.9	9.0
SSW	.7	2.5	3.6	1.5	.3	.1						8.8	4.3
SW	.2	2.0	2.1	.7	.1	.0						5.8	7.2
WSW	.3	.5	.2	.0								1.1	5.0
W	.7	1.1	.4	.1	.0	.0						2.3	5.1
WNW	.4	1.0	.8	.2	.0							2.4	6.3
NW	.7	1.5	1.8	.9	.3	.2	.1	.0				5.4	8.9
NNW	.3	.8	1.1	.7	.4	.2	.1	.0	.0			3.8	11.1
VARBL													
CALM												6.1	
	10.1	25.9	40.2	13.7	2.6	.8	.2	.0	.3			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 22976

DATA PROCESSING DIVISION
ETC/USAF
AIR WEATHER SERVICE / 140

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2320P MOBILELLA AF CALIF/SACRAMENTO 60-77

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

1111 NORTH

1111 HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.4	.1	.0							.0	5.4
NNE	.1	.1	.0	.0	.0							.2	4.8
NE	.2	.1	.0									.3	4.6
ENE	.0	.0	.0	.0								.1	4.7
E	.3	.2	.0	.0								.6	3.7
ESE	.4	.8	.3	.0	.0							1.5	4.9
SE	1.3	4.2	7.5	1.0	.0							14.0	7.2
SSE	1.3	5.5	13.0	3.4	.1	.0						24.3	3.0
S	1.9	7.0	14.3	5.4	.9	.0						29.5	3.5
SSW	1.3	2.9	4.1	1.2	.2	.0						9.4	7.7
SW	.9	2.2	2.1	.4	.6	.0						5.6	6.4
WSW	.3	.8	.3	.0								1.3	5.0
W	.0	1.2	.4									2.3	4.7
WNW	.3	.7	.3	.0								1.3	5.3
NW	.5	1.0	.8	.1	.0							2.4	6.0
NNW	.2	.4	.5	.1								1.2	6.7
VARBL													
CALM												5.0	
	9.7	28.4	43.9	11.8	1.2	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 24154

DATA PROCESSING GROUP
HAF/USAF
AIR WEATHER SERVICE /HAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCLLELLA AF CALIF/SACKAMENTO YEARS 40-77
STATION NAME ALL WEATHER MONTHS ALL
CLASS ALL
CONDITION ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.3	.5	.2	.0	.0							1.2
NNE	.1	.1	.1	.0								2.4
NE	.2	.1	.0	.0								3.8
ENE	.1	.0	.0									3.5
E	.3	.3	.1	.0								4.3
ESE	.0	1.1	.7	.1	.0							5.5
SE	1.4	4.9	7.9	1.0	.0							7.1
SSE	1.4	5.9	10.7	3.1	.1							7.8
S	2.3	6.8	11.5	4.1	.6	.0						8.1
SSW	1.2	3.2	3.7	1.5	.1	.0						7.4
SW	1.2	2.1	2.1	.5	.1							6.4
WSW	.5	.7	.4	.1	.0							5.3
W	.8	1.3	.4	.0	.0							4.6
WNW	.0	1.0	.3	.0	.0							4.5
NW	.5	.9	.7	.2	.0							6.2
NNW	.3	.5	.4	.1	.0							6.1
VARBL												
CALM												7.6
	11.8	29.5	39.0	10.0	.9	.0						100.0

TOTAL NUMBER OF OBSERVATIONS 24233

DATA PROCESSING ROOM
ET / 0-4F
AL / 0-100 / 0-100

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2324 STATION 2324 NAME SACRAMENTO CLASS 40-70 YEARS MONTH 11 HOURS 11.57

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.2	.0	.2	.1	.0					4.6	7.2
NNE	.4	.4	.2	.1	.0	.0						1.0	5.7
NE	.4	.3	.1	.0								.3	4.1
ENE	.2	.1	.0									.3	3.3
E	.9	.6	.2									1.7	3.8
ESE	1.0	1.3	.5	.6								2.8	4.6
SE	2.1	5.8	6.9	.6	.0	.0						15.3	6.5
SSE	1.5	5.2	7.3	1.5	.2	.0						15.6	7.3
S	2.6	5.6	7.2	2.0	.2	.0						17.5	7.2
SSW	1.1	2.4	2.4	.5	.1	.0						4.6	6.7
SW	1.3	1.8	1.3	.3	.1	.0						4.7	6.8
WSW	.6	.3	.3	.0								1.4	4.8
W	1.0	1.0	.2	.0								2.3	4.1
WNW	.7	.9	.4	.1	.0	.0						2.1	5.1
NW	1.1	1.6	1.7	.5	.2	.1	.0	.0				5.2	7.5
NNW	.7	1.2	1.2	.8	.2	.1	.0					4.3	7.5
VARB.													
CALM												13.7	
	16.7	29.8	31.1	7.2	1.1	.3	.1	.0				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 23423

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE /-7

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2328 McCLELLAN AFB CALIF/SEAFOUNT 40-72 YEARS 01
STATION NAME ALL WEATHER CLASS ALL HOURS (LST) 1
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.9	1.9	1.0	.5	.2	.1	.0				7.6	3.0
NNE	.5	.5	.3	.2	.1	.0	.0					1.6	3.5
NE	.5	.5	.2	.0	.0	.0	.0					1.6	4.6
ENE	.4	.2	.1	.0								.7	4.2
E	1.5	1.1	.4	.0								3.0	4.1
ESE	1.1	1.8	.7	.1	.0							3.6	4.8
SE	2.3	4.9	4.3	.7	.1	.0	.0					12.3	5.2
SSE	1.4	3.7	4.3	1.1	.3	.1	.0	.0				10.9	7.5
S	2.0	3.8	4.4	1.4	.4	.1	.0					12.1	7.3
SSW	.8	1.3	1.3	.6	.1	.0						4.1	7.1
SW	1.0	1.0	.8	.2	.0							3.1	5.7
WSW	.4	.3	.1	.0	.0	.0						.8	4.8
W	.9	.4	.1	.0								1.5	3.7
WNW	.8	.0	.3	.1	.0	.0						1.8	5.0
NW	1.6	1.8	1.9	.7	.3	.2	.0	.0				6.5	7.6
NNW	1.1	1.5	1.7	.9	.6	.2	.1	.0				5.1	7.0
VARBL													
CALM												22.6	
	18.0	25.4	22.9	7.0	2.3	.8	.3	.1				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 24234

DATA PROCESSING FOR
 STAC/LTAF
 AIR WEATHER SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232 STATION 4000000 OF CALIF/SACRAMENTO 19-77 YEARS NORTH
 CLASS LL
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	2.0	2.5	.9	.3	.2	.1	.0				9.2	7.2
NNE	.7	.8	.4	.1	.0	.0						2.2	5.2
NE	1.1	.8	.2	.0	.0	.0						2.1	4.3
ENE	.4	.4	.6	.0	.0							1.0	4.4
E	1.7	1.4	.4	.0								3.5	4.1
ESE	1.3	1.9	.7	.0								3.9	4.6
SE	2.2	4.4	3.0	.8	.3	.1	.0					11.4	6.4
SSE	1.2	3.4	3.9	1.9	.7	.2	.1	.0				11.5	6.7
S	1.9	2.0	3.2	1.4	.3	.1	.1					9.4	7.5
SSW	.7	.5	.5	.3	.0	.0	.0	.0				2.2	5.8
SW	.9	.0	.4	.1	.0	.2	.0					2.1	4.9
WSW	.2	.2	.1	.0	.0	.0	.0					.7	5.0
W	.8	.4	.1	.0	.0							1.4	3.8
WNW	.7	.4	.2	.0	.0	.0	.0					1.4	4.6
NW	1.8	1.8	1.4	.4	.2	.1	.1	.0				5.8	4.9
NNW	1.2	2.0	2.1	1.1	.4	.5	.1	.0				7.3	9.2
VARBL													
CALM												25.0	
	19.4	24.2	19.9	7.3	2.3	1.2	.4	.1				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 23657

4

DATA PROCESSING SECTION
ETIC/CSAF
AIR-WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23722	ACCOLLA AF CALIF/SACRAMENTO	39-72	FL
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			LL
CLASS			HOURLY (L & T)
CONDITION			

SPFEC (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥55	%	MEAN WIND SPEED
N	2.7	3.0	2.2	1.0	.3	.1	.2	.0				2.6	5.7
NNE	.7	.3	.3	.1	.3	.0	.0	.0				2.1	5.2
NE	.3	.9	.3	.0		.0	.0					2.1	4.4
ENE	.3	.4	.1	.0								.9	4.3
E	1.5	1.2	.4	.0								2.7	4.0
ESE	1.5	1.6	.5	.1	.3							3.2	5.2
SE	1.7	3.6	4.3	1.2	.4	.1	.6	.0				11.8	7.5
SSE	1.2	3.1	3.9	2.8	1.6	.6	.2	.1				13.6	10.7
S	1.6	2.8	3.0	1.8	.8	.2	.1					10.4	8.6
SSW	.5	.5	.5	.4	.1	.0	.2					2.0	7.6
SW	.7	.5	.2	.1	.0							1.6	5.0
WSW	.2	.2	.1	.0			.0					.5	4.9
W	.3	.4	.1	.0				.0				1.3	3.5
WNW	.6	.5	.2	.0		.0	.0					1.3	4.6
NW	1.3	2.0	1.0	.4	.1	.1	.0					5.0	6.2
NNW	1.4	2.0	1.9	.9	.3	.2	.0					6.7	7.8
VARBL													
CALM												24.0	
	17.8	23.8	19.9	6.9	3.6	1.6	.4	.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

24501

DATA PROCESSING BRANCH
 FTAC/USAF
 AF WEATHER SERVICE / ALC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23208 MCLELLA CALIF/SACRAMENTO 42-12 JAN 1900-0200
 STATION NAME CLASS MONTH HOURS (LST)
 ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEA. WIND SPEED
N	2.0	2.0	1.0	.8	.7	.5	.1					7.0	9.4
NNE	.8	.7	.2	.1								1.0	4.7
NE	.5	1.2	.3	.0								2.0	5.0
ENE	.3	.4	.2									.0	4.5
E	2.0	2.2	.7	.0								4.9	4.3
ESE	1.9	2.4	1.5	.1								6.0	4.9
SE	2.3	6.2	5.4	1.0	.2	.0	.2		.1			15.2	6.7
SSE	1.5	4.0	4.3	3.1	2.0	.9	.1	.0	.0			16.1	10.5
S	1.5	2.0	2.3	1.7	.9	.2	.1					9.1	9.7
SSW	.5	.4	.2	.2	.1							1.4	5.7
SW	.3	.3	.2									.0	4.8
WSW	.1	.2	.0	.0								.4	5.3
W	.5	.1	.1	.0								.7	4.2
WNW	.3	.2	.2									.8	4.4
NW	1.2	1.1	1.0	.1	.1	.1						3.5	6.2
NNW	.7	1.4	1.7	.7	.2	.1	.0					4.8	9.2
VARBL													
CALM												23.4	
	16.9	24.8	20.5	8.0	4.3	1.7	.2	.0	.1			100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2865

DATA PROCESSING BRANCH
FPM/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.0 STATION MCCLELLA AF (ALIF/SACRAMENTO) YEARS 41-72 MONTH 31

CLASS ALL OTHER HOURS (L.S.T.) 0300-0500

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	2.3	.0	.5	.1	.1					8.4	7.2
NNE	1.0	.7	.3	.1	.0							2.1	4.9
NE	1.1	1.3	.3									2.7	4.2
ENE	.9	.7	.7	.0								1.8	4.3
E	1.9	1.7	.7									4.3	4.2
ESE	1.3	1.8	.6	.1								3.8	4.6
SE	3.0	5.4	5.3	1.6	.3	.1	.0					15.7	7.0
SSE	1.1	2.9	4.0	3.1	1.9	.7	.3	.1				14.2	11.0
S	1.5	2.1	2.3	1.2	.7	.1	.1	.1	.1			8.0	7.9
SSW	.5	.3	.4	.3	.1							1.6	6.9
SW	.3	.2	.0	.1								.7	5.2
WSW	.2	.1	.0	.1								.4	5.2
W	.7	.2	.1	.0								1.1	3.5
WNW	.4	.3										.7	3.0
NW	1.4	1.3	1.1	.4	.1	.0						4.3	6.1
NNW	.8	1.6	1.4	.7	.5	.1	.1					5.1	8.5
VARBL													
CALM												24.9	
	18.5	22.9	19.1	8.4	4.2	1.2	.5	.1	.0			100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2926

DATA PROCESSING BRANCH
 FTM/0101
 AIR WEATHER SERVICE /MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2327 STATION 000000 CALIF/SACRAMENTO 40-12 DATE 2003-0-00
 STATION NAME CLASS MONTHS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	3.2	3.4	3.0	.0	.3	.2	.3				10.2	2.9
NNE	.8	.7	.4	.1							2.0	2.2
NE	1.1	1.4	.4	.0							2.9	4.4
ENE	.5	.2	.2								1.2	4.0
E	1.7	1.5	.3	.1							3.5	4.9
ESE	1.0	1.1	.3	.1							2.7	4.7
SE	2.2	3.5	3.8	1.5	.8	.2	.1	.0			12.3	7.9
SSE	1.9	3.2	4.7	2.9	1.8	.4	.1	.1			15.1	10.1
S	1.0	2.1	2.7	1.4	.8	.2	.0				9.8	3.9
SSW	.4	.3	.4	.3	.1	.0					1.5	7.8
SW	.7	.2	.3	.0			.2				1.3	5.3
WSW	.1	.2	.0	.0							.4	4.8
W	.8	.3	.0	.0							1.2	3.4
WNW	.5	.6	.1								1.2	3.7
WY	1.4	1.4	1.1	.2	.1	.0					4.2	5.8
NNW	1.0	1.7	1.7	.7	.4	.0	.2				5.7	8.3
VARBL												
CALM											15.0	
	19.2	22.1	19.6	7.9	4.3	1.3	.4	.2			100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 3022

4

1

1

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4

DATA PROCESSING BRANCH
ETAL/USAF
AIR WEATHER SERVICE / AF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23258 STATION MCLELLA AF- CALIF/SACRAMENTO 40-72 YEARS 1A1 NORTH
1200-1400 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.6	2.9	1.2	.6	.3	.3	.1				10.7	9.2
NNE	.7	.8	.3	.0	.0							1.2	4.9
NE	.9	.3	.1									1.3	3.5
ENE	.1	.1	.0									.3	4.6
E	.0	.2	.1									.9	3.6
ESE	.3	.3	.4	.0								1.1	5.5
SE	.9	1.3	1.7	1.2	.5	.1	.1	.1				6.3	9.9
SSE	1.0	2.6	3.7	4.0	2.2	.9	.3	.1				14.2	11.9
S	2.6	4.4	5.8	3.3	1.2	.3	.2					17.7	2.8
SSW	1.1	1.0	.8	.4	.2	.0						3.5	6.9
SW	1.2	.5	.5	.3								2.5	5.3
WSW	.5	.3	.2	.0	.6							1.1	5.0
W	1.1	.6	.2	.1								2.0	4.4
WNW	1.3	.5	.4	.0								2.2	3.9
NW	2.6	2.2	2.5	.8	.3	.2	.1	.0				8.8	7.3
NNW	1.3	2.8	3.1	1.2	.6	1.0	.2					10.2	12.0
VARBL													
CALM												14.6	
	19.0	20.6	22.6	12.9	5.7	2.8	1.2	.3				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 3042

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / ATC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23203 STATION 23203 HUCLELLA AF CALIF/SACRAMENTO 40-72 YEARS 1A 1
STATION NAME CLASS 1500-1700
CONDITION HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.2	2.3	.9	.4	.3	.1					17.5	7.1
NNE	.7	.8	.1	.6	.6							1.7	4.5
NE	.7	.5	.1									1.3	4.1
ENE	.2	.1	.0									.3	3.1
E	.9	.3	.2									1.3	3.7
ESE	.2	.4	.3	.1	.0							1.0	4.3
SE	1.2	2.1	3.1	1.2	.4	.1	.1					8.2	8.4
SSE	1.5	3.1	4.3	3.4	1.3	.7	.1	.1				14.3	17.2
S	2.7	5.1	4.9	2.1	1.2	.3	.0					16.4	8.2
SSW	.7	1.0	.8	.9	.2							3.7	8.3
SW	1.1	.7	.7	.1	.1							2.7	5.4
WSW	.5	.3	.2									1.0	4.5
W	.9	.4	.2	.1	.0							1.7	4.8
WNW	.3	.5	.3	.1								1.6	4.6
NW	2.2	2.3	1.7	.9	.3	.1	.7					7.5	7.1
NNW	1.8	2.6	2.8	1.0	1.0	.4	.1					9.6	7.0
VARBL													
CALM												17.2	
	18.8	23.3	22.6	10.7	4.9	2.0	.5	.1				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 3016

4

DATA PROCESSING ORIGIN
STATION
AIR WEATHER SERVICE / AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232.9 STATION 40016114 AF CALIF/SACRAMENTO 41-77 YEARS 1966
STATION NAME CLASS 1300-2100
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	2.0	2.1	2.0	1.0	.4	.4					7.0	7.9
NNE	.2	.2	.2	.1	.1						2.5	5.4
NE	1.1	.4	.3								1.8	3.0
ENE	.2	.3	.1								.9	3.0
E	1.3	1.0	.2	.0							2.5	4.0
ESE	1.4	1.2	.3	.0	.0						2.7	4.5
SE	2.0	3.7	3.5	1.0	.2	.1					10.7	7.1
SSE	2.4	4.0	4.6	3.2	1.3	.3	.3	.1			16.2	9.4
S	2.0	3.6	4.1	2.1	.4	.3	.1				13.2	7.9
SSW	.5	.2	.2	.5	.1						2.5	7.4
SW	.7	.5	.2	.1	.0		.0				1.9	6.1
WSW	.3	.2	.1								.5	4.1
W	.7	.5	.2	.1							1.5	4.5
WNW	.4	.5	.2								1.2	4.7
NW	1.3	1.6	1.7	.3		.0	.0				4.9	6.3
NNW	1.1	1.7	1.5	.6	.2	.1	.0				5.3	7.4
VARBL												
CALM											23.5	
	19.1	23.3	20.1	9.1	3.2	1.3	.4	.1			100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2921

4

DATA PROCESSING DIVISION
 AFM/USAF
 AIR WEATHER SERVICE / AFM

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23000 MOBILELLA OF CALIF/SACRAMENTO 42-10
 STATION STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION
 7100-2100
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.1	2.2	.9	.7	.4						7.1	3.4
NNE	.9	1.2	.4	.1		.0						2.5	5.2
NE	.7	1.0	.4									2.1	4.6
ENE	.5	.3	.3									1.1	4.7
E	2.0	1.0	.7									4.3	4.2
ESE	1.0	2.2	.6	.1								4.7	4.9
SE	3.0	5.1	5.0	1.1	.5	.1						14.0	6.8
SSE	1.7	4.2	4.9	3.2	1.9	.6	.1	.1				16.6	10.0
S	2.1	2.4	3.5	1.3	.7	.3	.0					10.3	3.2
SSW	.3	.3	.4	.3	.1							1.5	8.0
SW	.5	.8	.2	.1	.0	.0						1.6	5.7
WSW	.2	.3	.2									.8	5.3
W	.6	.2	.1									.8	3.8
WNW	.4	.2	.2	.0								.8	4.5
NW	.8	.9	.2	.1	.0							3.0	6.4
NNW	1.1	1.4	1.4	.6	.2	.1						4.7	7.2
VARBL													
CALM												27.1	
	18.1	24.3	21.5	8.0	4.1	1.6	.2	.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2859

4

DATA PROCESSING PROJECT
ETAC/USAF
AIR WEATHER SERVICE / SAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23700 MCCLELLAN AFB CALIF/SACRAMENTO 41-77 YEARS 15 MONTH 000-0000
STATION NAME CLASS ALL WEATHER HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.5	1.0	1.4	.4	.3	.1					5.1	3.4
NNE	.7	.6	.3	.1								1.6	4.5
NE	1.1	.9	.2									2.2	4.1
ENE	.5	.4	.1									1.1	3.7
E	3.4	3.6	1.0	.0								3.0	4.3
ESE	2.0	3.7	1.4	.0								7.1	4.8
SE	2.8	7.3	7.1	1.0	.3	.3	.0					18.0	4.7
SSE	2.0	3.6	4.3	2.3	.8	.3						13.3	3.5
S	1.4	2.0	2.6	1.3	.5	.1	.0					8.0	3.2
SSW	.4	.2	.4	.1								1.2	7.0
SW	.2	.3	.3	.1	.0	.0						1.1	7.7
WSW	.1	.1										.2	4.0
W	.2	.1	.0									.3	3.4
WNW	.6	.1	.1	.0								.8	4.1
NW	.6	.9	.9	.4	.1	.0						2.7	7.4
NNW	.7	1.3	1.2	.6	.4	.4	.1					4.7	9.8
VARBL													
CALM												20.6	
	13.4	27.6	21.6	1.0	2.0	1.4	.3					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2675

DATA PROCESSING AND
ETC/USAF
AIR WEATHER SERVICE /-AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2122 LOCILLA OF CALIF/SACRAMENT 41-70 YEARS MONTH 5
CLASS ALL WEATHER MONTHS (LST) 03-09-05-06
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.0	1.5	1.0	.5	.1						0.7	7.1
NNE	1.5	.2	.3	.1	.0							0.3	4.5
NE	1.1	.6	.3									2.2	4.0
ENE	.5	.9	.2									1.7	4.4
E	2.1	2.9	1.6									6.2	4.3
ESE	1.5	3.1	.8	.1								5.5	4.9
SE	2.5	7.3	6.8	1.5	.4	.2	.1	.3		.0		18.7	7.2
SSE	1.3	3.2	4.1	2.1	.9	.4						12.0	9.2
S	1.2	1.5	2.1	1.4	.3	.1	.0					6.7	8.4
SSW	.5	.3	.2	.0								1.1	6.7
SW	.5	.1	.3	.0	.1							.0	7.1
WSW	.2	.1										.3	3.3
W	.4	.3	.1									.9	3.9
WNW	.4	.2	.1									.7	3.7
NW	.9	1.1	.9	.1	.0		.1					3.2	6.5
NNW	1.0	1.2	1.1	1.2	.3	.5	.0					5.4	10.0
VARBL													
CALM												23.8	
	17.3	20.9	20.3	7.5	2.6	1.2	.3	.0		.0		100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2688

4

DATE OF PROCESSING: 11/11/71
 STATION: 237
 AIR WEATHER SERVICE: 10/10/71

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 237 NAME: SACRAMENTO CALIF/SACRAMENTO YEARS: 40-72 MONTH: 10-0-00
 CLASS: HOURS (L E T):
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.7	2.7	1.4	.2	.2	.0					11.5	4.6
NNE	1.1	1.2	.2	.1								2.4	4.3
NNE	1.2	.7	.4	.0								2.5	4.2
ENE	.6	.3	.2									1.1	4.1
E	2.3	1.5	.4	.1	.1							3.0	4.1
ESE	1.0	1.7	.8	.1								4.3	4.7
SE	2.1	5.0	5.4	1.2	.3	.1	.1					14.1	7.2
SSE	1.4	3.0	3.6	2.4	1.2	.7	.1	.1				12.6	10.2
S	1.1	2.3	3.0	1.2	.0	.1						8.2	8.4
SSW	.3	.3	.4	.1		.0						1.2	6.8
SW	.4	.1	.0	.1								.7	4.1
WSW	.1	.1										.1	3.3
W	.6	.3	.1									1.0	3.6
WNW	.3	.2	.1									.6	3.9
NW	1.3	1.1	.8	.2	.1	.0						3.6	6.0
NNW	1.2	1.5	1.5	.8	.5	.4	.1					5.9	9.2
VARBL													
CALM												26.0	
	18.4	23.2	19.8	7.7	2.9	1.6	.3	.1				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1755

4

DATA PROCESSING BRANCH
ETC/CMF
AIR WEATHER SERVICE /MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

232 STATION MCLELLAN AFB CALIF / SACRAMENTO YEARS 40-72 MONTH ALL MONTHS

CLASS ALL WEATHER

CONDITION

PERIOD 0000-1100
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.2	2.0	1.0	.0	.4	.2					9.9	2.0
NNE	.2	.9	.7	.0								2.0	4.2
NE	1.1	.3	.3									1.8	3.0
ENE	.3	.2	.1									.5	3.0
E	.7	.0	.1									1.5	3.9
ESE	.3	.5	.7	.1								1.8	6.1
SE	1.4	3.5	3.3	1.3	.4	.2	.2					10.7	7.5
SSE	1.3	3.4	4.4	3.1	1.0	1.1	.3	.0				15.2	10.9
S	2.2	3.4	5.1	2.6	.8	.2	.3	.0				14.4	8.5
SSW	.3	.8	.9	.4	.1	.0						2.9	7.2
SW	.3	.0	.3	.4	.0							2.2	6.2
WSW	.3	.3	.0									.5	3.7
W	.7	.4	.2	.0								1.3	4.0
WNW	.0	.4	.1	.0								1.2	4.1
NW	1.9	1.9	1.5	.0	.3	.2	.0					5.5	7.3
NNW	.9	1.8	2.0	2.1	1.6	.0	.2	.0				9.3	11.1
VARBL													
CALM												18.0	
	16.8	21.5	22.7	12.4	4.9	2.8	.9	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2783

4

DATA PROCESSING BRANCH
ETIC/CSAF
AF-WEATHER SERVICE / AF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232-1
STATION NAME

MCCLURE FIELD, CALIF./SACRAMENTO

40-7

YEARS

MONTH

ALL STATIONS

CLASS

COORDINATE

1200-1400

NOV 28 11 37

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.1	1.2	1.3	.2	.4	.1					8.1	2.7
NNE	.4	.3	.2	.1	.1							1.1	4.6
NE	.2	.2	.2									1.0	4.5
ENE	.1	.0										.1	2.8
E	.3	.3	.1	.0								.7	4.6
ESE	.4	.4	.2									1.0	5.1
SE	1.3	1.5	2.1	.9	.5	.1	.1					4.3	5.2
SSE	1.1	2.3	3.1	3.2	2.0	.9	.1					12.8	11.5
S	2.5	4.6	5.7	3.3	1.6	.3	.1					17.7	8.7
SSW	1.0	1.0	1.2	1.0	.1	.1						4.5	3.0
SW	1.0	1.2	.7	.5	.2							3.6	6.8
WSW	.5	.0	.3	.2	.0	.1						1.7	6.4
W	1.0	.8	.3	.0	.0							2.8	3.9
WNW	1.2	.9	.6									2.7	4.5
NW	1.8	3.2	2.3	1.7	.6	.3	.2					10.2	8.8
NNW	1.2	2.7	2.5	2.8	1.8	.9	.6	.1				12.6	12.1
VARBL													
CALM												13.1	
	16.6	22.3	21.4	15.2	7.0	3.1	1.3	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

2781

DATA PROCESSING BRANCH
AFM/USAF
AIR WEATHER SERVICE / A

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 251 MACLELLA CALIF/SACM/251 92-71 1
STATION NAME CLASS MONTHS
150-1700
COMMENTS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.2	1.7	.9	.2	.4	.1					2.7	2.3
NNE	.2	.4	.3	.1	.1							1.5	0.1
NE	.2	.4	.4									.2	.1
ENE	.2	.4	.1		.4							.5	4.6
E	.2	.4	.4	.4								1.2	4.5
ESE	.2	.7	.5	.1								1.6	5.6
SE	1.1	2.2	1.7	1.2	.5	.1	.2	.0				7.1	3.5
SSE	1.2	2.0	2.9	2.4	1.0	.5	.2	.1				11.0	9.7
S	2.0	3.9	3.1	3.3	.7	.4						15.0	8.4
SSW	.3	1.2	1.3	.9	.6		.2					4.3	7.8
SW	1.1	1.0	.6	.7	.2							2.9	7.5
WSW	.4	.4	.3	.1	.1							1.3	6.3
W	1.1	1.0	.4	.2	.1							2.8	5.6
WNW	.4	1.2	.5	.2								2.7	5.2
NW	2.0	2.4	2.7	1.4	.5	.3	.1	.0				9.6	8.5
NNW	1.0	2.7	1.9	2.6	1.2	.7	.3					11.1	10.5
VAR													
CALM												16.3	
	17.7	22.8	20.9	13.7	5.1	2.5	.8	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2745

4

DATA PROCESSING CENTER
ETAC/USAF
AIR WEATHER SERVICE / ATC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232 B STATION 232 B MCLELLAN AFB CALIF / SACRA-F.O.T. 41-72 MONTH 1960-2000
STATION NAME CLASS CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.2	1.2	.2	.0	.1						7.4	7.6
NNE	1.1	.7	.4	.4								2.2	5.1
NE	.5	.2	.3	.0								2.0	4.6
ENE	.4	.3	.1									.2	4.0
E	1.4	.8	.3									2.5	7.8
ESE	.8	1.4	.4	.0								2.7	4.8
SE	2.2	3.5	3.5	1.2	.4	.1						11.0	7.2
SSE	2.3	3.0	3.0	1.6	.2	.3	.3	.1				12.1	6.3
S	3.3	4.1	4.2	1.7	.5	.2						14.0	7.2
SSW	.4	1.0	1.1	.6	.2	.0						3.5	7.7
SW	1.2	.2	1.0	.5	.1							3.5	5.8
WSW	.3	.2	.1	.1								.7	5.9
W	.2	.2	.2	.1								1.4	4.8
WNW	.7	.0	.1	.1								1.6	4.3
NW	1.1	1.5	1.3	.4	.3	.0	.0					4.8	7.3
NNW	1.1	1.4	1.5	1.2	.5	.3						5.9	9.2
VARBL													
CALM												24.1	
	19.4	2.1	20.1	5.6	2.8	1.2	.3	.1				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2587

DATE: 232
 STATION: 232
 NAME: 232

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 232 STATION NAME: 232 CLASS: 232 YEARS: 232 NORTH: 232
 CLASS: 232 HOURS (LST): 232
 CONDITION: 232

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	2.2	1.1	.5	.2						7.5	4.2
NNE	.7	.9	.4	.3	.5			.0				2.4	4.4
NE	.4	.7	.2									2.1	4.6
ENE	.4	.5	.1									1.1	4.4
E	2.4	2.3	.5	.0								5.2	4.0
ESE	1.9	3.1	.8									5.9	4.5
SE	3.6	7.0	5.0	.9	.2	.1	.0	.0				16.9	6.3
SSE	1.5	4.6	4.2	1.6	.6	.2	.2	.0				12.3	3.4
S	1.5	3.8	3.3	1.1	.4	.1		.0				10.4	7.7
SSW	.5	.9	.2	.4		.0						2.8	7.5
SW	.5	.6	.7	.2								2.0	4.3
WSW	.1	.1	.1									.5	4.5
W	.4	.4	.2		.0							1.0	5.0
WNW	.6	.1	.1									.9	3.7
NW	.7	1.0	1.2	.2	.2	.1		.1				3.4	4.0
NNW	.7	1.1	1.0	.6	.3	.3						3.9	9.1
VARBL													
CALM												21.6	
	18.2	28.5	21.6	6.4	2.5	1.1	.4	.2				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 2674

DATA PROCESSING SECTION
 FT. WORTH
 AIR WEATHER SERVICE / 1A

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.1 STATION 4. CLELLA AF CALIF/SACRAMENTO 41-72 YEARS MONTH 1000-0100
 CLASS HLL - ATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	2.4	1.1	.4	.0	.2					4.4	4.4
NNE	.7	.5	.7	.6								1.4	5.9
NE	.2	.7	.3									1.4	4.7
ENE	.3	.5	.2									1.1	4.7
E	2.3	2.6	1.4									6.2	4.6
ESE	2.1	4.3	2.2	.2	.0							8.7	5.3
SE	2.2	8.5	10.4	1.1	.1							22.7	6.6
SSE	1.8	4.8	6.2	1.2	.6	.3						15.0	8.0
S	1.0	3.2	3.5	1.3	.5							9.7	8.0
SSW	.4	.4	.7	.1								1.7	6.5
SW	.4	.3	.1									.7	4.2
WSW	.1	.1	.0									.2	4.0
W	.2	.3										.6	3.5
WNW	.1	.1	.3	.0	.0							.6	7.6
NW	.3	1.0	1.0	.5	.1							3.5	7.0
NNW	.8	1.7	1.0	.7	.3	.2	.0					5.3	8.4
VARBL													
CALM												13.4	
	15.0	30.7	31.0	7.0	2.2	.6	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2967

DATA PROCESSING BR CH
ETAC/USAF
AID WEATHER SERV. SAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 232.8 McClellan AF CALIF/SACRAMENT. 1-72 YEARS NORTH
CLASS ALL WEATHER 300-000
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	2.4	2.2	.3	.5	.1						7.7	7.4
NNE	.2	.5	.4	.0	.1							1.7	5.3
NE	.2	.2	.3	.0								1.2	4.9
ENE	.2	.4	.1									.9	3.7
E	2.3	2.4	.7									5.3	4.2
ESE	1.9	3.5	1.1	.1								6.6	4.9
SE	3.2	8.8	8.3	1.5	.3	.0						21.0	4.6
SSE	1.5	4.8	6.3	2.0	1.0	.2						15.8	7.3
S	.3	2.3	3.3	1.5	.2	.0						9.1	3.0
SSW	.1	.4	.5	.2								1.4	7.5
SW	.1	.5	.2									.9	5.5
WSW	.1	.2	.1									.4	5.7
W	.6	.2	.1									.9	3.3
WWTW	.3	.6	.1									1.2	4.1
NW	1.1	.7	1.3	.5								3.6	6.7
NNW	1.2	1.6	1.3	.9	.4	.1	.0					5.4	8.0
VARBL													
CAUA												16.6	
	16.2	30.2	26.4	7.7	2.5	.4	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2961

4

DATA PROCESSING FORM
 FTTC/USAF
 AF WEATHER SERVICE / A

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232200 HUCCELLA AF CALIF/SACRA, CALIF. 40-12 YEARS NORTH
 STATION STATION NAME CLASS HOURS (LST)
 ALL DAY
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.2	2.6	.9	.5		.1					2.1	7.3
NNE	.1	1.0	.4	.2	.1							2.5	7.2
NE	.2	.7	.2									1.0	4.0
ENE	.5	.3	.1									1.0	4.0
E	1.6	1.1	.3									2.1	3.9
ESE	2.2	2.6	1.4	.1	.1							6.2	5.0
SE	2.7	2.0	0.8	1.0	.4	.0	.2					17.1	7.1
SSE	1.9	4.8	6.7	2.1	.7	.4						16.7	8.2
S	1.4	2.3	3.0	1.3	.4							9.2	7.8
SSW	.6	.6	.2	.3	.1							2.1	5.8
SW	.4	.3	.2	.0	.0							1.0	5.2
WSW	.1	.1	.1	.0								.3	2.0
W	.4	.2										.6	3.2
WNW	.6	.3	.1									.9	3.5
NW	1.2	1.3	.9	.4	.2	.0	.0					4.0	5.6
NNW	1.0	1.9	1.7	.9	.7	.3	.0					6.6	9.2
VARBL													
CALM												17.7	
	18.6	26.2	25.8	7.2	3.3	.4	.3					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

3031

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / TAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

230000 MCLELLAN AF CALIF/SACRAMENTO 40-17 A
STATION STATION NAME YEARS MONTH
ALL WEATHER 900-1100
CLASS HOURS (L S T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.6	1.6	.5	.3	.2					7.8	9.8
NNE	.4	.4	.4	.1	.1							1.7	5.5
NE	.4	.3	.1		.1							.9	5.7
ENE	.1	.2	.1									.2	4.3
E	.7	.4	.2									1.2	4.0
ESE	.8	.6	.3	.1								1.7	4.6
SE	1.2	2.1	3.1	.8	.6	.2	.1	.1				8.2	8.8
SSE	1.3	4.3	6.9	2.9	1.3	.4	.2					17.2	7.3
S	1.9	5.2	6.6	3.8	.7	.2						18.6	5.5
SSW	.8	1.8	1.1	.6	.2	.0						4.5	7.2
SW	1.1	1.3	1.0	.3	.1							3.9	6.1
WSW	.3	.2	.2									.7	4.8
W	.9	.4	.1									1.4	3.3
WNW	.7	.7	.3	.2		.0						1.8	5.4
NW	1.5	1.9	2.1	1.1	.6	.3	.1	.0				7.7	8.9
NNW	1.3	2.2	2.9	2.6	1.6	.8	.2	.0				11.0	11.6
VARBL													
CALM												11.2	
	14.9	23.4	27.1	14.1	6.6	2.3	1.9	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 3058

DATE: 01-01-55
 FILE: 107AF
 AT: WEATHER SERVICE / 4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 23200 ACQUILLA PF CALIF/SACRA MTL. STATION NAME: 40-1-1
 CLASS: ALL WINDS
 CONDITION:
 MONTH: 1200-1900
 HOURS (LST):

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥55	%	MEAN WIND SPEED
N	1.4	1.7	1.2	1.3	.0	.1	.1	.1				4.0	2.0
NNE	.3	.4	.1	.1	.0	.0	.1					.9	1.1
NE	.3	.2	.1			.1						.3	2.4
ENE	.1	.1	.0			.1						.2	2.4
E	.2	.1	.0									.2	2.4
ESE	.4	.2	.3									1.2	5.2
SE	.0	.0	1.4	.5	.0	.2	.1					4.3	1.6
SSE	1.2	2.7	4.1	2.1	1.1	.6	.1	.1				12.1	10.3
S	2.2	4.9	6.7	3.3	1.2	.2						18.8	2.6
SSW	.0	2.3	7.5	1.0	.2							7.5	5.3
SW	2.0	2.0	1.5	.0	.1							6.2	4.1
WSW	.0	.0	.4	.2								1.7	5.7
W	1.4	1.4	.5	.1	.1							3.5	4.8
WNW	1.1	1.4	.7	.2	.1							2.5	5.4
NW	1.0	2.9	3.3	1.9	.6	.7	.3	.1				11.7	12.1
NNW	1.2	2.2	2.7	2.9	1.7	1.0	.4	.0				12.1	12.0
VARBL													
CALM												9.1	
	15.7	23.9	26.2	15.2	6.5	3.1	1.0	.3				100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 3039

4

DATA PROCESSING BRANCH
 FIA/USAF
 AIR WEATHER SERVICE / A

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

23200
 STATION

MOCLELLA AF CALIF/SACRAMENTO
 STATION NAME

40-72
 YEARS

1960-1970
 MONTH

ALL WEATHER
 CLASS

1500-1700
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.0	1.2	1.3	.4	.1	.1	.1				7.6	3.1
NNE	.4	.4	.2	.0	.1	.1	.1					1.2	2.0
NE	.4	.5	.1	.1		.0						1.1	2.5
ENE	.1	.1	.1	.0	.0	.0						.4	2.2
E	.3	.3	.0									.4	4.3
ESE	.1	.4	.4	.2								1.2	7.7
SE	.7	1.2	1.4	.8	.4	.3	.1	.1				4.9	10.5
SSE	.3	2.5	3.2	1.9	.7	.4	.1	.1				9.8	7.7
S	1.7	4.2	6.2	2.2	.9	.1						15.3	9.3
SSW	1.3	1.7	2.6	2.3	.5	.0						8.1	9.2
SW	1.8	1.4	2.5	1.6	.3	.1						7.6	8.0
WSW	.7	1.1	.9	.5	.1	.0						3.3	6.8
W	1.5	1.3	.7	.2								3.7	5.0
WNW	1.1	1.2	.6	.3	.1	.0						3.4	5.8
NW	1.8	2.9	3.0	1.9	1.0	.6	.1	.1	.1			11.4	9.7
NNW	1.4	1.8	2.4	2.3	1.3	.6	.3	.0				10.1	11.2
VARBL													
CALM												10.3	
	15.9	23.2	25.7	15.5	5.8	2.4	.8	.3	.5			100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

3024

DATA PROCESSING BR 300
ETC/USAF
AF-WEATHER SERVICE / 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232-0 STATION 232-0 ACCELLA AF - CALIF/SACRAMENTO 41-77 YEARS 1500-2000 HOURS (LST.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.0	1.0	1.0	.3	.1						5.5	7.3
NNE	.0	.7	.2	.1	.1							1.0	5.4
NE	.7	.3	.1									1.2	3.7
ENE	.2	.2	.1	.1	.1							.8	3.4
E	.7	.5	.4	.1								1.7	4.8
ESE	.8	.8	.5	.0	.1							2.1	5.3
SE	1.0	3.4	2.5	.7	.1	.2	.2					8.5	6.9
SSE	1.4	4.2	3.3	1.1	.3	.2	.1	.0				10.7	7.6
S	2.9	6.9	7.0	2.4	.0	.1	.0					19.8	7.4
SSW	1.3	2.0	3.2	1.3	.1							8.6	7.4
SW	1.0	1.5	1.8	.9	.2							5.3	7.5
WSW	.7	.7	.4	.1								1.9	5.0
W	.9	.2	.3	.2								2.0	5.0
WNW	.0	.3	.2	.1								1.3	4.6
NW	1.1	.9	1.7	.8	.2	.1						4.8	7.8
NNW	1.1	1.0	1.9	1.3	.3	.1						5.8	7.7
VARBL													
CALM												17.1	
	18.0	26.0	25.3	10.4	2.4	.7	.1	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2963

4

DATA PROCESSING GROUP
 FTCA/USAF
 AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232 F STATION MCLELLAN AFB - CALIF/SACRAMENTO STATION NAME 41-17 YEARS 1950-1960
 CLASS ALL WEATHER MONTH 1950-1960
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	2.2	1.0	.3	.1						6.2	7.9
NNE	.0	.7	.5	.3	.1	.1						2.3	7.2
NE	1.1	.5	.3	.2								2.1	4.7
ENE	.4	.5	.0	.0								1.0	4.3
E	2.0	1.9	.3	.0								4.2	3.9
ESE	1.0	3.0	1.3	.1	.0							6.7	5.2
SE	2.3	5.1	5.6	.7	.2							15.0	5.4
SSE	1.5	5.4	5.7	1.3	.6	.1						15.0	7.3
S	2.4	5.0	5.7	1.6	.3	.1						15.0	7.0
SSW	1.0	1.5	1.9	.9	.1							5.2	7.3
SW	.0	1.0	.6	.2	.0							2.7	5.2
WSW	.3	.2	.1									.6	4.2
W	.5	.4	.2	.0								1.1	4.4
WNW	.3	.3	.3									.9	5.0
NW	.7	.6	.8	.3	.1							2.5	7.1
NNW	.3	.8	1.7	.8	.1	.1	.0					3.9	9.1
VARBL													
CALM												16.2	
	17.2	29.3	27.7	7.5	1.8	.4	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2962

4

DATA PROCESSING PROFILE
ETAC/USAF
AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232-0 STATION 232-0 STATION NAME ALL WEATHER CLASS 41-10 YEARS 1000-0000 HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.3	.6	.7	.2	.0						9.0	5.0
NNE	.5	.6	.2	.1								1.4	5.3
NE	.7	.6	.3									1.5	4.5
ENE	.4	.5	.1									1.0	4.1
E	1.1	2.2	.5	.0								2.0	4.7
ESE	1.5	4.5	1.6	.1								7.8	5.0
SE	2.7	9.9	15.5	1.3	.1							29.5	6.9
SSE	1.9	5.9	9.2	2.3	.3	.1						19.8	7.6
S	1.2	2.4	3.6	1.7	.3							9.2	7.8
SSW	.5	.4	.3	.2		.0						1.5	6.7
SW	.6	.5	.2	.1								1.3	5.0
WSW	.1											.1	2.3
W	.4	.2	.1									.7	3.6
WNW	.2	.2	.1									.5	4.0
NW	.7	.8	.5	.2	.1	.2						2.5	7.2
NNW	.4	1.4	.9	.3	.1	.0						3.3	7.4
VARBL													
CALM												11.1	
	14.1	32.0	34.0	7.3	1.2	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2865

DATA PROCESSING FOR WIND
 STIC/STAF
 AIR WEATHER SERVICE / A

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232 STATION 400011A MCCLURE CA, CALIF/SACRAMENTO 41-17 YEARS D.M. 100-0500
 STATION NAME CLASS HOURS (L & T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8	1.4	.6	.1							5.1	6.5
NNE	.2	.9	.4	.0								1.7	4.2
NE	.2	.6	.4									1.6	4.7
ENE	.4	.6	.2									1.1	4.3
E	1.2	1.7	.3									3.2	4.2
ESE	1.5	3.7	1.5	.0								6.8	5.1
SE	3.4	9.6	12.1	1.3	.2							6.7	6.7
SSE	2.1	6.6	7.6	1.8	.3	.0						18.5	7.3
S	.5	2.7	3.3	1.6	.2	.0						8.0	7.6
SSW	.2	.7	.7	.1	.0							1.7	5.7
SW	.1	.5	.3	.1	.1							1.2	5.4
WSW	.2	.1		.0								.4	4.4
W	.2	.3	.1									.9	3.8
WNW	.2	.2	.1									.5	4.3
NW	1.0	1.0	.7	.3	.0	.1	.1					3.2	7.2
NNW	.9	1.7	1.1	.6	.4	.1						4.7	7.5
VARBL													
CALM												14.5	
	15.1	32.7	29.9	8.0	1.4	.3	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2865

4

DATA PROCESSING FORM
 0116/03AF
 AIR WEATHER SERVICE / PAT

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23 MCLELLA F CALIF/SACKA CVT YEARS 70-72 MONTH 12

CLASS ALL WEATHER HOURS (LST) 2400-0100

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	2.1	.5	.4	.2						7.6	7.2
NNE	1.5	.7	.1		.1							1.8	3.8
NE	.5	.7	.4									1.5	4.2
ENE	.5	.3	.0									.7	3.7
E	1.2	1.1	.3	.0								2.6	4.1
ESE	1.3	2.0	1.0	.1	.3							4.6	5.3
SE	2.5	5.1	7.5	1.3	.0		.1					17.5	6.8
SSE	2.1	6.2	8.6	2.7	.5	.1	.2					20.2	7.8
S	1.3	4.3	5.2	2.4	.2	.0						13.6	7.7
SSW	.4	.9	.8	.3	.0							2.3	5.0
SW	.5	.4	.1	.0								1.0	4.3
WSW	.1	.1										.2	3.6
W	.3	.1										.4	2.9
WNW	.5	.1	.1									.7	3.4
NW	1.1	1.2	1.3	.5	.1	.2	.1	.1				4.6	8.2
NNW	1.2	1.9	2.1	.9	.3	.1	.0	.1				5.7	8.3
VARIABLE													
CALM												15.0	
	16.0	28.2	29.3	9.1	1.5	.6	.2	.1				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2927

DATA PROCESSING SECTION
AFPC/AFM
AFM/AFM SERVICE UNIT

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

230 STATION MUCCELLA AF CALIF/SACKA-UT 40-7 YEARS 1900-1900
STATION NAME CLASS HOURS (LST)
LOCATION

SPEED (KNTS, DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.7	2.0	1.2	.7	.2	.1					7.7	3.2
NNE	.2	.3	.1	.2								1.0	5.4
NE	.2	.2	.1	.0		.1						.6	5.4
ENE	.1	.1	.0									.2	4.0
E	.3	.6	.0									.4	3.8
ESE	.0	.8	.2	.1								1.3	4.6
SE	1.3	2.3	2.7	.8	.2	.0	.2					7.6	7.8
SSE	1.2	3.9	6.2	2.4	.7	.2	.1					14.7	3.8
S	2.1	5.0	8.0	3.9	.7	.1						20.5	5.4
SSW	1.2	1.7	2.3	.9	.2							4.6	7.3
SW	1.2	1.1	1.0	.3	.0	.1						4.0	6.1
WSW	.2	.4	.1									.9	4.5
W	1.0	.7	.2	.0								2.0	4.0
WNW	.7	1.3	.2	.0								2.5	4.8
NW	1.5	2.5	2.7	1.7	.5	.1	.3	.0	.1			9.8	9.1
NNW	1.3	2.1	3.4	2.4	.0	.7	.3	.0				10.8	10.5
VARBL													
CALM												9.4	
	12.2	14.3	30.3	14.6	4.0	1.5	.5	.1	.1			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2953

4

DATA FOR CROSSING
 STATE/USAF
 AIRCRAFT SERVICE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23000 HULL LLA 41 CALIF/SACRAMENTO 40-70 YEARS NORTH
 CLASS ALL directions 1,000-1,000 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	1.1	1.0	1.0	1.1	.1	.1	.1				4.2	7.9
NNE	.2	.2	.4	.2	.1						1.4	5.8
NE	.3	.4	.6	.6	.0						.8	5.1
ENE	.1	.2									.3	3.3
E	.2	.2	.0								.4	3.9
ESE	.3	.3	.1	.4							.8	5.5
SE	.5	.0	1.5	.9	.3	.0	.1				4.1	9.4
SSE	.7	1.5	4.1	1.0	.3	.1	.1				8.6	9.3
S	1.4	4.9	7.1	4.2	1.2	.3	.1	.0			19.2	9.1
SSW	1.2	2.0	7.9	1.5	.3	.1					8.5	8.1
SW	1.3	2.7	2.0	.0	.2	.1					7.0	6.7
WSW	.9	.7	.5	.3							2.4	5.5
W	1.8	1.7	.7	.1	.0	.0					4.3	5.1
WNW	1.3	1.3	1.3	.3							4.1	5.8
NW	2.0	3.8	3.9	2.3	.7	.9	.3	.0	.1		14.7	9.4
NxW	.8	2.4	2.9	2.5	.9	.4	.3	.0			10.7	10.5
AKBL												
CALM											5.6	
	15.5	20.3	29.4	15.8	4.3	2.0	.9	.1	.1		100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2949

DATA PROCESSING BRANCH
 AFM/USAF
 AIR WEATHER SERVICE /-AF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.1 STATION MCCLELLAN AFB CALIF/SACRAMENTO YEARS 40-72
 STATION NAME MCCLELLAN AFB CLASS ALL MONTH 1969-1970
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.1	1.2	.5	.4	.0		.0				4.2	4.0
NNE	.3	.4	.1	.1	.0							1.0	5.0
NE	.4	.3	.1									.8	4.1
ENE	.2	.2	.1									.5	4.7
E	.3	.4	.1	.0								.9	4.6
ESE	.2	.3	.0	.1		.0						1.4	7.9
SE	.5	1.4	1.0	.7	.2	.1						4.4	8.2
SSE	.2	1.7	2.6	1.4	.3	.1	.0					6.6	8.9
S	1.4	3.4	8.7	4.3	1.0	.2	.1					19.4	7.2
SSW	.9	2.0	3.2	2.7	.6	.1						9.8	9.4
SW	1.7	2.4	3.4	1.6	.9	.1						9.3	7.9
WSW	.5	1.0	.6	.3								2.6	5.6
W	1.5	1.8	.7	.2	.1	.0						4.4	5.5
WNW	1.3	1.4	.9	.2	.1							3.2	5.6
NW	1.8	3.0	3.6	1.5	.7	.5	.2	.1				11.2	9.1
NNW	1.4	2.2	2.0	2.7	.4	.4	.2	.0				10.4	9.8
VARBL													
CALM												7.2	
	14.5	24.3	31.3	16.4	4.1	1.6	.5	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2919

DATA PROCESSING BRANCH
TIAU/OCAT
RIP *LATHCE SERVICE / 1A

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	1.1	.4	.1		.1					1.0	4.0
NNE	.1	.3	.2									1.2	3.9
NE	.2	.5	.1		.2	.1						1.1	7.1
ENE	.4	.3	.1									.7	4.5
E	.5	.3	.2	.1								1.4	4.5
ESE	.3	.7	.5	.1		.0						1.4	6.0
SE	.5	1.5	2.0	.6	.1							4.8	7.5
SSE	1.1	3.2	3.9	1.2	.1	.1						9.6	7.5
S	.4	7.1	10.8	3.4	.8	.0						24.4	7.9
SSW	1.2	3.5	5.1	1.5	.1	.1						11.4	7.7
SW	1.2	2.9	4.0	1.5	.2							9.8	7.7
WSW	.0	.7	.6	.2	.0							2.2	5.9
W	.7	1.3	.4	.1								2.7	5.0
WNW	.3	.3	.2	.1	.0							.9	6.1
NW	1.0	1.5	.9	.4	.2	.1						4.1	7.1
NNW	1.1	1.7	1.7	.7	.2	.2						5.7	7.8
VARBL													
CALM												13.2	
	14.8	27.2	31.7	10.3	2.1	.7	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2861

STATION LOCATION
 DATE
 AIR FORCE SERVICIA

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION AGUILELLA 11 CALIF/SACRA MOUNT YEARS 41-42 MONTH 12

CLASS ALL - MIX MONTHS (LAST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	1.2	.4	.2	.0						4.3	7.1
NNE	.4	.4	.2	.1								1.1	5.4
NE	.4	.4	.2	.0								.0	5.1
ENE	.2	.2	.1									.6	4.8
E	1.2	1.1	.2									2.5	3.9
ESE	1.0	2.6	1.1	.0								4.8	5.0
SE	1.2	7.1	10.3	1.1	.1							20.5	7.0
SSE	1.7	2.7	6.9	1.7	.1							16.2	7.1
S	2.9	6.1	8.0	1.8	.2							19.0	7.0
SSW	1.3	1.7	1.7	.4	.1							5.2	6.4
SW	.0	1.5	.2	.2								3.2	6.0
WSW	.0	.2	.2									1.0	3.9
W	.1	.2	.2	.1								1.4	4.4
WNW	.3	.3	.2									.9	4.9
NW	.5	.4	.0	.2	.1	.1						2.1	3.1
NNW	.5	1.0	.0	.4	.1							2.4	6.3
VARBL													
CALM												13.9	
	15.0	30.7	33.1	6.4	.9	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2865

4

UNITED STATES AIR FORCE
 1. USAF
 2. WEATHER SERVICE / 4

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4. CLELLA STATION NAME CALIF / SAKAGELT YEARS 41-72 MONTH AY
 CLASS ALL
 CONDIT 000-0300
 HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	1.1	.6	.3	.0						4.2	7.3
NNE	.2	.1	.1	.2								.6	6.5
NE	.1	.4	.4	.1								1.0	6.3
ENE	.1	.1	.1									.3	5.6
E	.7	1.1	.4									2.2	4.5
ESE	1.6	3.0	1.7	.1								6.4	5.2
SE	2.0	10.1	16.3	1.4	.0							30.3	7.2
SSE	2.0	6.4	15.2	3.9	.3							25.8	7.9
S	1.4	3.4	5.1	2.2	.3	.1						12.5	8.1
SSW	.2	.6	.4	.4								1.5	7.8
SW	.2	.6	.2	.1								1.1	7.2
WSW	.1			.6								.1	4.8
W	.3	.0	.1									.4	4.2
WNW	.1		.0									.1	3.2
NW	.3	.5	.6	.2	.0							1.8	7.0
NNW	.5	.6	.4	.1	.1	.2	.1					2.0	3.0
VARBL													
CALM												5.5	
	10.7	30.2	42.1	9.8	1.1	.3	.1					107.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2966

4

DATA PROCESSING BRANCH
ETC/USAF
AIR WEATHER SERVICE / AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23200 NAME MCCLELLA AF CALIF/SACRAMENTO YEARS 41-72 MONTH ANY
CLASS ALL WEATHER HOURS (LST) 0500-0500
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥55	%	MEAN WIND SPEED
N	.4	1.1	1.3	.6	.2							4.4	7.4
NNE	.1	.3	.1	.1								.7	2.5
NE	.4	.4	.2	.0	.0							1.1	5.1
ENE	.1	.2	.0									.3	4.5
E	.9	1.5	.1									2.5	4.2
ESE	1.5	3.1	1.2	.0								5.0	4.9
SE	2.6	11.1	13.4	1.7								18.7	6.8
SSE	2.4	8.1	12.2	3.3	.2							24.3	7.5
S	1.6	2.6	5.0	1.8	.6	.1						11.7	3.3
SSW	.3	.4	.4	.3								1.5	7.1
SW	.1	.2	.2	.1								.7	7.0
WSW													
W	.1	.2	.1									.3	5.6
WNW	.2	.2										.4	3.1
NW	.7	.5	.9	.1								2.2	5.9
NNW	.0	.0	.6	.6	.2	.2						2.8	9.0
VARBL													
CALM												10.4	
	12.7	30.6	36.0	8.7	1.3	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2957

DATA PROCESSING SECTION
 11/1/64
 11/1/64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

230 STATION MOLELLA DE CALIF/SACKRAM YEARS 1964
 CLASS ALL
 CONDITION ALL
 NORTH 300-0000
 HOURS (LST) 0000-0000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	1.4	1.7	.4	.1						5.6	2.3
NNE	.3	.4	.6	.1								1.0	2.1
NE	.5	.2	.1									.9	3.3
ENE	.3	.4	.0									.8	3.8
E	1.1	.5	.2	.0								1.8	3.9
ESE	.9	1.7	.6	.0								3.4	5.0
SE	2.0	7.8	8.3	.9	.1							10.7	6.5
SSE	1.7	6.5	11.1	3.2	.2	.0						22.9	7.7
S	1.7	3.0	8.9	3.9	.4	.1						10.5	5.7
SSW	.5	.0	1.1	.3	.2							2.9	7.9
SW	.4	.5	.5	.2								1.7	6.4
WSW	.1	.2	.1									.3	4.9
W	.4	.2	.0									.6	3.2
WNW	.1	.3	.1	.0								.5	4.9
NW	.5	.8	.9	.6	.1		.1	.1				2.9	7.8
NNW	.7	1.5	1.4	1.0	.5	.4	.1	.1				5.6	10.2
VARBL													
CALM												10.2	
	13.4	27.0	35.0	11.4	2.2	.5	.1	.1				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 3022

4

DATA FOR SURFACE WINDS
STATION NAME
STATION NUMBER

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 232 STATION NAME 100 LLA 6 100 LLA 6 100 LLA 6 YEARS 1960-1961
CLASS 100-1100 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	.7	1.7	.7	.7						4.7	7.7
NNE	.7	.7	.7									.7	4.1
NE	.7	.1	.1	.0								.4	5.4
ENE	.7	.2	.3									.4	4.1
E	.7	.2	.1									.9	3.5
ESE	.7	.8	.3	.9								1.7	4.5
SE	1.5	2.9	2.1	.4	.7							7.0	5.9
SSE	1.1	3.9	5.6	1.7	.3	.0						12.6	7.7
S	2.9	7.2	10.2	4.5	1.2	.1						25.2	8.3
SSW	1.0	2.7	3.1	1.9	.2							8.7	7.3
SW	1.7	2.1	1.2	.3	.1							5.3	5.5
WSW	.8	.7	.1	.0								1.7	4.1
W	1.0	1.2	.2									2.4	3.9
WNW	.7	1.0	.7	.2	.0							2.6	4.1
NW	1.4	2.9	2.7	1.8	.7	.3	.1					8.9	9.2
NNW	.8	1.3	2.0	2.3	.7	.4	.3	.1				7.8	11.9
VARBL													
CALM												2.5	
	15.9	7.9	29.6	13.2	3.6	.9	.4	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 3051

4

DATA PROCESSING CENTER
 11/1/68
 AIRCRAFT SERVICE / 1A

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MCCL-114 STATION NAME CALIF/SUPRA-1T YEARS 40-13 MONTH AY

CLASS ILL-1A15A HOURS (LST) 1200-1400

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	1.0	.6	.1	.2						2.5	2.2
NNE	.2	.3	.2	.1								.7	5.4
NE	.2	.3	.1	.6								.9	4.0
ENE	.1	.1										.2	3.0
E	.1	.3	.1									.5	4.9
ESE	.3	.2	.3									.8	5.1
SE	.7	1.1	1.0	.2	.2							3.0	5.2
SSE	.8	1.4	2.6	.7	.2	.1	.5					4.2	7.8
S	1.6	5.7	9.0	4.9	1.2	.2	.1					22.2	9.1
SSW	1.1	3.1	4.9	2.3	.4	.1						11.0	7.4
SW	1.8	3.3	3.2	1.3	.2		.1	.0				9.8	7.2
WSW	.2	1.2	.7	.1								2.8	5.7
W	1.8	3.1	1.1	.1								6.1	4.0
WNW	.9	1.7	2.3	.5	.1							5.5	6.9
NW	2.0	3.0	3.7	2.6	.8	.6	.3					12.6	9.6
NNW	.7	1.5	2.3	1.8	.7	.4	.1					7.6	10.5
VARBL													
CALM												5.9	
	13.7	27.3	32.2	15.1	3.7	1.5	.5	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 3058

4

DATA PROCESSING BR 40
 FTAC/USAF
 AIR WEATHER SERVICE 71A

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOBILELLA MI CALIF/SACRAMENTO YEARS 40-71 MONTH 1200-1700
 STATION NAME CLASS HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.5	.6	.4	.2	.1						2.5	3.0
NNE	.2	.1	.1									.4	4.5
NE	.1	.3	.1	.1								.5	5.2
ENE	.5	.0		.0								.1	7.3
E	.2	.3	.1	.0								.7	5.2
ESE	.2	.2	.3	.0								.8	5.6
SE	.3	.6	.9	.2		.0						2.0	7.4
SSE	.2	.7	1.7	1.0	.4	.0	.0					4.0	12.0
S	1.4	4.0	9.2	7.2	1.0	.5						24.1	12.2
SSW	.8	3.3	4.9	3.6	1.0	.1						13.6	7.5
SW	1.4	3.0	4.1	2.2	.6	.2						12.2	5.5
WSW	.4	1.4	1.1	.5	.0							3.4	7.2
W	1.5	3.1	1.5	.3	.0							6.4	5.6
WNW	.8	2.7	2.2	.5	.1							6.2	6.6
NW	1.4	2.8	3.9	2.1	.6	.6	.0					11.6	7.4
NNW	.7	.0	1.9	1.5	.8	.4	.1					5.1	11.0
VARBL													
CALM												4.9	
	10.3	24.8	32.6	19.7	5.3	1.9	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 3024

4

ATMOSPHERIC SURFACE WIND
 TYPICAL
 ALL INFORMATION REPORTED

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2301 MAGALLANES CALIF/SACRAMENTO 41-71 YEARS MONTH 1-00-2000 HOURS (LST)

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.4	.2	.3	.1	.1						3.5	7.0
NNE	.2	.6	.1	.3								.8	4.5
NE	.2	.3	.1	.0								.7	5.0
ENE		.2										.2	5.0
E	.2	.3	.2	.0								.7	5.5
ESE	.1	.3	.2	.0								.7	6.4
SE	.1	.4	.0	.4	.0	.0						2.0	3.9
SSE	.2	1.3	3.0	1.6	.4	.0						6.6	9.5
S	1.2	3.3	15.0	7.0	1.3	.2						31.3	7.4
SSW	.0	4.4	9.2	3.3	.5	.1						18.3	3.7
SW	1.4	2.7	5.7	2.2	.2							12.2	4.0
WSW	.5	1.0	.5	.3								2.3	6.0
W	.2	.9	.4	.2								2.0	5.9
WNW	.7	1.3	.4	.1								2.2	4.8
NW	.9	1.0	1.6	.5	.2	.1						5.0	7.4
NNW	.4	1.0	1.2	.5	.0	.1						3.7	7.9
VARBL													
CALM												3.0	
	8.4	22.4	40.1	16.6	2.8	.7	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2959

4

DATA PROCESSING REPORT
 F100/USAF
 AIR WEATHER SERVICE / A

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2377 HOLELLA CA CALIF / SACRAMENTO 41-12
 STATION STATION NAME YEARS MONTH
 210 - 2:00
 HOURS (LST)
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.1	1.0	.4	.1							3.2	7.1
NNE	.3	.1	.2	.0								.8	5.6
NE	.2	.3	.2	.0								.8	5.2
ENE	.1	.2	.1	.0								.4	5.5
E	.7	.4	.3	.1								1.5	4.7
ESE	.6	1.5	1.4	.0								3.4	5.9
SE	1.3	3.2	11.7	2.0	.0							20.2	7.7
SSE	1.4	5.2	12.0	4.1	.3							22.9	8.3
S	2.3	6.1	9.2	2.7	.4	.0						20.7	7.6
SSW	.9	2.6	2.9	.4	.1							6.8	6.7
SW	.9	1.9	1.2	.3	.0	.0						4.3	6.1
WSW	.6	.5	.1									1.2	3.7
W	.3	.2	.2									.7	4.6
WNW	.4	.1	.1									.6	3.6
NW	.3	.4	.4	.2	.1	.1						1.6	7.9
NNW	.2	.7	.0	.1	.1	.1	.0					1.9	8.5
VARBL													
CALM												9.2	
	11.1	26.6	41.5	10.3	1.0	.2	.3					100.6	6.7

TOTAL NUMBER OF OBSERVATIONS 2959

4

DATA PROCESSING BR / AF
 FTAL/USAF
 AIR WEATHER SERVICE / AF

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23-0000 MCLELLAN 4 CALIF/SACRAMENTO 41-71
 STATION MONTH YEARS
 ALL WEATHER
 CLASS
 CONDITION
 0000-0200
 HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	.4	.0	.7	.2		.1						7.7
NNE	.1	.3	.2	.1								7.1
NE	.0	.2	.1	.0	.0							6.9
ENE	.0	.1		.0								6.5
E	.7	.6	.1									6.7
ESE	1.2	1.9	1.0	.2								6.3
SE	1.8	8.2	17.7	2.7	.0							7.5
SSE	1.2	8.0	19.1	3.9	.3							8.4
S	.8	3.8	6.6	2.8	.5	.1						8.5
SSW	.1	.2	.5	.2	.1							8.7
SW	.1	.2	.2	.1								8.8
WSW	.0	.1										8.5
W	.0	.2										8.8
WNW	.1	.0	.0									8.3
NW	.1	.5	.4	.1	.1	.1						8.0
NNW	.1	.6	.4	.3	.1							8.9
VARBL												
CALM												5.5
	6.9	20.1	47.1	12.6	1.4	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 2613

4

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	DATE
2500	ACELLA 11 CALIF/SAUR	40-1	1950-01-01
	CLASS		NUMBER (L x T)
	CONDITION		

SPEED (KNTS) Dir	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.7	.5	.2		.1						2.8	2.2
NNE	.1	.1	.2	.1	.2							.4	2.7
NE	.2	.2	.2	.1								.4	4.5
ENE	.1	.1										.2	1.2
E	.6	.2	.2									1.5	3.9
ESE	1.2	1.3	1.0									2.5	4.1
SE	2.5	11.0	18.0	2.2	.1							34.0	7.2
SSE	2.3	8.4	14.6	4.2	.4							29.0	7.9
S	1.3	3.0	6.1	2.0	.0							12.0	2.3
SSW	.1	.2	.2	.2	.0	.1						.0	12.0
SW	.3	.2	.1									.6	4.1
WSW	.0	.0										.1	3.5
W	.1											.1	2.8
WNW	.1	.0	.0									.1	4.0
NW	.4	.5	.5	.1								1.6	4.7
NNW	.3	.3	.0	.4	.1	.1	.1					2.0	4.9
VARBL													
CALM												3.6	
	10.5	24.5	42.9	9.9	1.3	.2	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 2871

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/PAU

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2325 STATION NAME: MCCLLELLA AF CALIF/SACRAMENTO YEARS: 40-72 MONTH: JUL
STATION CLASS: ALL OTHER CLASS: 0000-0000 HOURS (L.S.T.)
CONDITION:

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	.4	.6	.2	.1		.0				3.2	2.2
NNE	.4	.1		.0	.1	.0						.7	5.3
NE	.3	.3	.1	.0								.8	4.4
ENE	.2	.2	.1									.6	4.0
E	.7	.6	.2									1.5	4.0
ESE	1.1	1.4	.9									3.5	5.0
SE	2.9	6.1	10.2	1.2								20.3	5.9
SSE	1.4	6.7	13.3	4.1	.2							25.7	8.1
S	1.9	4.2	9.8	4.7	1.0	.2						21.3	9.0
SSW	.5	.7	.9	.3	.1							2.4	7.2
SW	.5	.3	.2	.1	.0							1.2	5.4
WSW	.1	.0										.2	3.2
W	.3	.0			.0							.4	4.2
WNW	.2	.1	.1									.4	4.3
NW	.4	.4	.4	.4	.1	.1						1.9	8.5
NNW	.3	.8	1.3	1.1	.8	.5	.2		.1			5.1	13.0
VARBL													
CALM												9.6	
	12.6	23.0	38.4	12.5	2.6	.9	.2	.0	.0			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 2898

DATA PROCESSING BRANCH
TAC/USAF
AIR WEATHER SERVICE / A

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232⁰⁰ STATION MCLELLA AFB CALIF/SACRAMENT YEARS 72 MONTH 11
CLASS ALL WEATHER HOURS (LST) 000-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.1	.5	.1	.1		.0				4.5	7.8
NNE	.4	.2	.1			.2	.0					1.0	3.5
NE	.3	.2	.1	.1								.6	4.8
ENE	.1	.1										.1	3.5
E	.6	.2	.1									.0	3.4
ESE	.5	.6	.3	.0								1.3	4.5
SE	1.5	2.7	2.0	.4	.0							7.3	6.1
SSE	1.0	4.4	5.7	1.8	.2							13.1	7.7
S	2.5	8.6	11.7	4.0	.9	.1						27.8	8.0
SSW	1.7	3.0	2.8	1.1	.1							8.8	6.9
SW	1.7	2.5	1.0	.2								5.4	5.1
WSW	.4	.4	.1									1.0	4.0
W	.9	1.1	.2	.0	.0							2.3	4.7
WNW	.9	1.4	.9	.1								3.3	5.5
NW	1.3	2.4	2.6	1.0	.4	.2	.3					8.7	9.0
NNW	.5	1.4	2.0	1.6	.7	.4	.2	.0	.0			6.8	11.4
VARBL													
CALM												7.1	
	15.3	30.6	31.2	11.7	2.4	1.0	.5	.1	.0			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2898

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23208
STATION

MCCLELLA AFB CALIF/SACRAMENT.
STATION NAME

40-72
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.0	.7	.4	.0	.2	.1					3.1	8.4
NNE	.2	.1	.1	.1		.1						.6	7.4
NE	.2	.1	.1			.0						.4	6.1
ENE	.1											.1	2.0
E	.1	.2	.1		.0							.3	6.7
ESE	.2	.3	.1	.0								.7	5.2
SE	.9	1.2	.7	.2	.1							3.1	5.7
SSE	.7	1.6	2.3	.9	.1							5.8	7.6
S	2.4	6.2	9.9	4.5	1.3	.2						24.6	8.6
SSW	1.1	4.7	5.7	1.6	.6	.1						13.8	8.0
SW	1.7	4.0	3.7	.8	.1							10.4	6.6
WSW	.6	1.0	.7									2.2	5.3
W	1.4	3.3	1.4	.1								6.2	5.2
WNW	.6	2.8	2.9	.7	.0							6.9	7.0
NW	1.1	2.9	4.3	2.0	.7	.5	.1					11.5	9.4
NNW	.3	1.2	1.8	.8	.8	.3	.2	.0				5.4	11.6
VARBL													
CALM												4.8	
	12.3	30.9	34.1	12.3	3.7	1.5	.3	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

2902

DATA PROCESSING BRANCH
 AFAC/USAF
 AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232.9 STATION MCCLLELLA AF CALIF/SACRAMENT 40-72 YEARS 1911 MONTH 1000-1700
 CLASS all weather
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.8	.7	.3	.1	.1	.1					2.7	9.0
NNE	.2	.1	.6	.0		.0						.5	7.2
NE	.1	.1	.1	.0								.4	5.2
ENE			.0	.0								.1	12.5
E	.1	.2	.1	.0								.4	5.5
ESE	.2	.1	.1	.0								.6	5.3
SE	.2	.3	.3	.1	.1							1.1	7.3
SSE	.2	.9	1.0	.6	.1	.1						3.5	9.1
S	1.2	4.3	12.0	7.8	2.0	.2						25.1	10.2
SSW	.5	4.4	6.7	3.5	.9	.3						16.2	9.3
SW	1.0	4.3	5.0	2.4	.5	.1						13.3	8.3
WSW	.5	1.1	.0	.1								2.3	5.7
W	1.0	3.1	1.5	.1		.0						5.8	5.7
WNW	.8	2.3	1.6	.5	.1							5.3	6.4
NW	1.2	3.2	4.0	1.7	.6	.4	.1	.1				11.3	9.3
NNW	.4	1.2	1.5	.9	.2	.2	.2	.0				5.1	10.8
VARBL													
CALM												3.2	
	8.3	26.4	35.9	18.6	5.5	1.5	.5	.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2907

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / IAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

2300H 400LELLA 41 CALIF/SACRAMENTO 40-72
STATION MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	1.0	.3	.2	.1						2.7	8.3
NNE	.1	.0	.2	.0								.4	6.5
NE	.5	.2	.1		.0							.3	6.4
ENE	.0	.1	.0	.0								.2	7.4
E	.1	.1	.1	.1								.3	7.1
ESE		.2	.1									.3	5.9
SE	.1	.2	.7	.1								1.2	8.1
SSE	.2	.6	3.3	1.6	.3	.1						6.1	9.9
S	.7	5.8	19.6	11.0	2.3	.1						39.3	9.9
SSW	.5	4.1	10.2	4.5	.8	.0						20.2	9.1
SW	.7	2.8	5.2	1.9	.1	.2						11.0	8.4
WSW	.5	.6	.3	.0								1.5	5.2
W	1.0	1.0	.3	.1								2.4	4.6
WNW	.5	1.1	.4	.0								2.1	5.2
NW	.6	1.5	1.4	.8	.2	.1	.1					4.7	8.6
NNW	.0	.9	.7	.5	.2	.2		.0				3.1	7.1
VARBL													
CALM												4.4	
	6.2	19.7	43.7	21.1	4.1	.7	.1	.0				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2073

DATA PROCESSING BRANCH
 FTAG/USAF
 AIR WEATHER SERVICE / SAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.5 STATION MCLELLAN AFB CALIF/SACRAMENTO 41-72 YEARS 1960-1969

ALL WEATHER CLASS 2100-2300 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.0	.2	.1	.0						2.0	2.1
NNE	.0	.1	.1	.1								.3	8.9
NE	.1		.1	.1	.0							.4	2.3
ENE		.1	.0	.0								.2	6.6
E	.2	.3	.1									.6	4.2
ESE	.6	.9	.9	.1								2.5	5.7
SE	1.0	5.3	14.4	1.6	.1							22.4	7.8
SSE	.7	5.0	17.1	5.0	.5							28.4	8.8
S	1.8	5.1	11.2	2.9	.4	.1						21.4	9.0
SSW	1.2	2.9	1.9	.7	.1							6.8	6.5
SW	1.0	1.8	1.2	.1								4.1	5.4
WSW	.5	.4	.1									1.0	3.7
W	.3	.4	.1		.0							.9	4.9
WNW	.2	.0	.2	.1								.5	6.9
NW	.5	.8	.5	.1		.0						2.1	6.3
NNW	.1	.2	.4	.1	.0	.1						1.0	9.3
VARBL													
CALM												5.5	
	8.7	24.1	49.0	11.1	1.4	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2814

DATA PROCESSING PR-404
 FTIC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23220 STATION 400LELLA AFB CALIF/SACRAMENTO 41-72 YEARS 0000-0200
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.1	.1	.0								.2	7.6
NNE	.0		.0									.1	5.0
NE	.1	.0										.1	3.3
ENE	.0											.0	2.0
E	.4	.3										.7	3.5
ESE	.6	2.1	.0									3.3	4.6
SE	1.9	8.4	16.0	2.3								28.6	7.5
SSE	1.9	11.5	26.6	6.3	.1							45.4	8.1
S	.6	3.3	10.5	2.4	.5	.1						17.4	8.7
SSW	.1	.2	.1	.2								.6	9.7
SW		.1		.0								.1	7.7
WSW		.0										.0	4.0
W	.1	.1										.2	3.2
WNW		.0										.0	4.0
NW	.1	.0	.0	.0								.2	7.4
NNW			.1									.1	8.8
VARBL													
CALM												2.0	
	5.7	26.2	54.0	11.3	.6	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2962

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2324
STATION

MCCLELLA AFB CALIF/SACRAMENTO
STATION NAME

40-72
YEAR

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.1									.5	2.5
NNE	.1	.1	.1									.4	5.0
NE	.2	.1	.0									.2	3.8
ENE	.0	.0										.1	4.0
E	.5	.1	.2	.0								.8	5.5
ESE	.8	1.2	.2		.0							2.2	4.6
SE	2.3	8.8	15.8	2.2	.1							29.1	7.3
SSE	2.3	13.5	21.3	4.6	.1							41.8	7.5
S	1.7	4.6	8.9	2.2	.6							17.9	8.0
SSW	.0	.1	.1	.3	.0							.6	10.4
SW	.1	.1	.1	.1								.3	7.0
WSW		.0										.0	4.0
W	.1	.0										.1	2.5
WNW		.1	.0									.1	5.8
NW		.2	.1	.1								.3	3.0
NNW	.1	.0	.1									.2	5.1
VAREL													
CALM												5.3	
	8.4	29.2	46.9	9.4	.8							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

3019

DATA PROCESSING BR (H)
 FIA/USAF
 AIR WEATHER SERVICE /AL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

232 2 HUCLELLA AF CALIF/SACRY 1-1-71 40-71
 STATION STATION CASE YEARS MONTH
 ALL WEATHER CLASS 0000-0000
 CONDITION HOURS (LST.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.4	.2	.1	.1							1.7	4.7
NNE	.6	.2	.1									.5	4.1
NE	.6	.1	.0									.9	7.9
ENE	.1	.1										.1	4.0
E	.7	.6	.1									1.4	7.9
ESE	.7	1.3	.4	.0								2.4	4.7
SE	3.1	7.5	9.3	.8								20.7	6.5
SSE	2.4	10.4	17.8	4.9	.1							35.6	7.8
S	1.5	5.7	12.4	4.2	.6	.1						24.8	8.6
SSW	.1	.4	.4	.5	.0							1.4	7.1
SW	.1	.2	.1	.0								.5	5.6
WSW													
W	.1	.0										.2	2.6
WNW													
NW	.3	.3	.2	.2								.9	4.3
NNW	.3	.3	.2	.2								1.1	6.2
VARBL													
CALM												8.1	
	11.1	27.5	41.3	11.0	1.0	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 3046

4

DATA PROCESSING BRANCH
 FTS /CSAF
 AF WEATHER SERVICE /MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23-5 MCCLELLA AF CALIF/SACRAMENTO 40-17 ALL
 STAT ON NAME YEARS MONTH
ALL WEATHER
 CLASS
 CONDITION
2700-1100
 HOURS (LST.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	.0	2	.0						2.2	5.9
NNE	.2	.2	.0								.4	3.8
NE	.4	.2									.4	3.3
ENE	.1	.0	.0								.2	3.4
E	.5	.2									.7	2.7
ESE	.6	.3	.1								1.0	3.7
SE	1.7	3.0	1.9	.1							6.7	5.4
SSE	2.2	3.7	7.1	1.6							15.7	6.6
S	4.2	12.2	15.1	4.6	.6	.0					46.7	7.4
SSW	2.1	3.7	3.1	.6	.1						9.5	6.3
SW	1.8	1.7	1.4	.0							4.9	5.0
WSW	.3	.5	.1								1.0	4.5
W	.9	.8	.1								1.7	3.7
WNW	.7	.8	.2								1.7	4.3
W	1.3	1.8	1.2	.2							4.5	5.4
NNW	.6	1.0	.8	.3							2.7	4.5
VARBL												
CALM											9.0	
	18.1	32.7	31.8	7.6	.7	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

3039

4

DATA PROCESSING FROM
 STATION NAME
 AIR WEATHER SERVICE / 141

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232-4 STATION NAME MICHELLE H. CALIF/SACKS-147 40-10 YEARS MONTH 1200-1000 HOURS (LST)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.1
NNE	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0
NE	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.6
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0
E	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.3
ESE	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.0
SE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
SSE	.8	1.4	2.1	.0	.0	.0	.0	.0	.0	.0	.0	4.9	7.1
S	3.0	3.8	12.3	4.5	.2	.0	.0	.0	.0	.0	.0	19.2	7.8
SSW	2.4	6.8	7.5	1.3	.2	.0	.0	.0	.0	.0	.0	15.2	6.9
SW	2.7	5.4	4.2	.5	.0	.0	.0	.0	.0	.0	.0	12.7	5.8
WSW	.9	2.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.0
W	1.7	4.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	7.1	4.8
WNW	.5	2.5	1.3	.1	.0	.0	.0	.0	.0	.0	.0	4.4	5.8
NW	1.2	3.0	2.4	.2	.0	.0	.0	.0	.0	.0	.0	6.8	4.0
NNW	.3	.8	1.1	.3	.0	.0	.0	.0	.0	.0	.0	2.5	7.1
VARBL													
CALM												5.9	
	15.1	36.9	33.9	7.2	.4	.1	.0	.0	.0	.0	.0	100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 3053

4

DATA PROCESSING
ST. C/USAF
AIR WEATHER SERVICE / A

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2300 HUCLELLA F CALIF/SACRAMENTO 40-27
STATION NAME YEARS
ALL WEATHER
CLASS
PERIOD 1900-1900
MOSES - 87

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.2
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
ENE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
E	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
ESE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3
SE	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6
SSE	.2	.2	1.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	5.6
S	1.3	5.4	16.1	7.9	1.7	.1	.0	.0	.0	.0	.0	.0	9.5
SSW	1.3	5.8	11.1	3.4	.7	.1	.0	.0	.0	.0	.0	.0	3.5
SW	1.7	6.3	6.3	1.4	.1	.0	.0	.0	.0	.0	.0	.0	6.9
WSW	.0	2.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6
W	1.3	3.9	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3
WNW	.4	1.9	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.6
NW	.7	2.0	2.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.3
NNW	.2	.8	1.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.9
VARBL													
CALM												7.8	
	7.9	29.9	42.4	14.2	2.6	.2	.0	.0	.0	.0	.0	100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 3046

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/NA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23200
STATION

MCCLELLAN AFB CALIF/SACRAMENTO
STATION NAME

40-72
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.2									.5	5.4
NNE	.5			.0								.1	7.5
NE	.6											.0	2.0
ENE													
E	.0											.0	3.0
ESE	.0	.0										.1	4.0
SE	.0	.3	.2	.1								.9	8.0
SSE	.2	1.6	5.1	2.3	.1							9.4	9.2
S	1.1	9.8	26.6	13.1	1.9							52.4	9.4
SSW	1.0	5.1	8.7	3.2	.4	.0						18.4	8.1
SW	.7	2.9	4.3	.9	.0	.0						8.9	7.5
WSW	.5	.7	.2									1.4	4.4
W	1.0	.8	.3									2.0	4.0
WNW	.4	.4	.0									.8	3.5
NW	.3	.5	.3	.1	.0							1.3	6.3
NNW	.0	.3	.4	.1								.8	7.0
VARBL													
CALM												2.9	
	5.5	22.5	46.6	19.9	2.5	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

3025

DATA PROCESSING BRANCH
ETAC/USAF
AIP WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232-P
STATION

MCCLELLA AFB CALIF/SACRAMENTO
STATION NAME

41-72
YEARS

1111
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.0										.1	2.0
NNE		.0										.0	4.0
NE	.0	.0	.1									.1	5.8
ENE		.1		.0								.1	7.3
E	.3	.3	.3									.6	7.0
ESE	.3	1.4	.6	.1								2.6	5.9
SE	.3	5.0	16.5	2.5	.0							24.6	8.2
SSE	.7	7.1	22.9	6.4	.3							37.3	8.7
S	2.0	6.1	12.6	4.1	.2							24.9	8.1
SSW	.7	1.2	1.4	.3								3.6	6.4
SW	.5	.5	.3									1.2	4.4
WSW	.1	.2										.2	4.0
W	.1	.0										.2	3.0
WNW	.1	.0	.0									.2	4.0
NW	.0	.2	.2	.0								.4	6.8
NNW	.1	.0	.1									.2	5.4
VARBL													
CALM												3.6	
	5.5	22.1	54.7	13.5	.5							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

2964

4

DATA PROCESSING BRANCH
ETC/USAF
AIR WEATHER SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23214 STATION MCLELLA AFB CALIF/SACRAMENTO 41-72 YEARS 1111
STATION NAME ALL WEATHER MONTH 0000-0200
CLASS HOURLY (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 32	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1									.2	4.7
NNE			.3									.0	7.0
NE	.1											.1	2.5
ENE		.3										.0	5.0
E	.2	.3	.4									.9	5.6
ESE	.6	1.8	1.6	.1								4.1	6.3
SE	1.7	9.8	18.3	2.7								33.0	7.5
SSE	1.7	11.0	20.5	5.2	.2							38.6	7.9
S	.9	4.0	7.1	2.5	.4	.0						14.9	5.3
SSW	.1	.3	1.1	.3								1.8	8.4
SW	.0	.1	.2	.1	.0							.5	9.6
WSW													
W	.1	.0										.1	3.3
WNW	.1	.0										.1	3.3
NW	.1	.0	.1	.0	.0							.3	7.3
NNW	.2	.1	.1	.0								.4	5.9
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	5.0	
	5.9	27.6	50.0	10.9	.7	.0						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2969

DATA PROCESSING BRANCH
AFAC/USAF
AIR WEATHER SERVICE / AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232.4 STATION ACCIELLA, SF - CALIF/SACRAMENT 40-72 YEARS MONTH NORTH
ALL WEATHER CLASS 300-0000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.1									.6	4.4
NNE	.2											.2	2.6
NE	.1	.1	.0									.2	4.2
ENE	.1											.1	3.0
E	.7	.6	.2	.1								1.6	4.5
ESE	1.3	2.5	1.4	.1								5.2	5.3
SE	2.5	10.5	16.7	1.0	.1							21.5	7.1
SSE	3.1	10.9	16.9	3.8	.1							34.8	7.4
S	1.6	4.7	6.4	1.0	.3	.1						14.9	7.5
SSW	.3	.5	1.2	.4								2.3	7.9
SW	.2	.2	.1	.1								.6	6.1
WSW		.0		.0								.1	8.0
W													
WNW	.1											.1	2.5
NW	.1	.1	.1									.2	5.7
NNW	.1	.2	.0	.0								.3	5.1
VARBL													
CALM												7.4	
	10.4	30.5	43.1	8.0	.5	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 3031

DATA PROCESSING PROGRAM
ETAC/USAF
AIR WEATHER SERVICE /AL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23244 MCLLELA AF CALIF/SACRAMENTO 40-72
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
000-000
HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	.3	.0								1.4	4.7
NNE	.3	.3										.6	4.1
NE	.3	.3	.1									.7	4.0
ENE	.2	.2	.3									.4	3.9
E	.9	.6	.1	.0								1.6	3.8
ESE	1.5	2.4	.6	.1								4.8	4.7
SE	3.5	7.9	8.6	.9								20.0	4.3
SSE	2.1	8.9	15.6	3.9	.1							30.7	7.7
S	2.1	5.3	10.0	3.2	.5	.0						21.3	8.0
SSW	.3	.6	1.6	.5	.1							3.1	8.1
SW	.3	.2	.5	.1								1.0	6.6
WSW	.1	.1										.2	3.6
W	.1	.0	.0									.2	3.7
WNW	.3	.0										.3	3.1
NW	.2	.1	.2	.0								.5	5.6
NNW	.2	.4	.2	.2	.0							1.0	6.7
VARBL													
CALM												11.2	
	12.7	28.3	38.0	9.0	.8	.0						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 3066

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE 7140

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23206 STATION 2000-1100
MCCLELLA AFB CALIF/SACRAMENTO 40-72 YEARS MONTH
ALL WEATHER CLASS NOISE (L E T)
CONDITION

SPEED (KNTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	.7	.0	.0							2.5	5.7
NNE	.2	.3	.2	.0								.7	4.0
NE	.0	.2	.1									.2	3.3
ENE	.2		.0									.2	3.0
E	.5	.1										.7	2.8
ESE	.7	.4	.1	.0								1.2	3.9
SE	2.0	3.1	2.1	.2								7.4	5.4
SSE	2.0	5.4	6.0	1.1	.0							14.6	6.7
S	4.2	10.8	13.1	3.0	.5							32.3	7.2
SSW	2.2	3.4	3.2	1.0	.1							9.9	6.5
SW	1.7	1.8	1.4	.3								5.2	5.5
WSW	.7	.0	.4									1.7	4.5
W	1.1	.9	.2		.0							2.2	4.0
WNW	.9	1.1	.4	.0								2.4	4.6
NW	.9	1.4	1.1	.1	.0							3.6	5.7
NNW	.5	1.1	.7	.3	.0							2.7	6.5
VARBL													
CALM												11.7	
	19.0	31.9	29.8	6.8	.8							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 3057

4

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23208 STATION NAME MCCLELLAN AFB - CALIF/SACRAMENTO YEARS 40-72 MONTH ALL

CLASS ALL WEATHER

CONDITION 1200-1400
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.6	.6	.1								2.2	5.4
NNE	.2	.2	.1									.5	2.4
NE	.1	.2		.0								.4	4.5
ENE	.1											.1	1.5
E	.1	.0	.0									.2	3.6
ESE	.2	.2										.3	3.5
SE	.7	.9	.5	.0								2.1	5.2
SSE	.8	1.5	2.3	.8	.0							5.4	7.2
S	3.7	6.6	8.4	2.8	.5	.0						22.1	7.3
SSW	2.8	6.2	6.5	2.0	.2	.0						17.7	6.9
SW	3.2	5.8	5.9	.5	.1							13.4	5.6
WSW	1.0	2.0	.7	.1	.0							3.8	5.2
W	2.1	4.3	1.1									7.5	4.7
WNW	1.5	3.6	1.1	.0	.0							6.4	5.0
NW	1.3	2.9	2.2	.4	.0							6.9	6.1
NNW	.5	1.5	1.0	.2								3.2	4.1
VARBL													
CALM												8.0	
	19.1	36.4	28.6	7.0	.9	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 3055

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVIC./MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232.8 STATION 232.8 MCLLELLA AF CALIF/SACRAMENTO 40-72 YEARS 306 MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.0	.7	.1	.0							2.3	5.0
NNE	.2	.1	.1	.0								.4	5.3
NE	.1		.0									.1	4.7
ENE	.0											.0	3.0
E		.0										.0	5.0
ESE	.1	.0	.0	.1								.2	6.1
SE	.1	.4	.1	.0								.6	4.6
SSE	.2	1.0	1.9	1.0	.0							4.2	3.6
S	1.5	5.8	12.7	8.4	1.2	.1						27.8	9.1
SSW	1.6	7.0	7.4	3.8	.3							20.2	7.9
SW	2.4	6.1	5.9	1.3	.1							15.9	6.7
WSW	1.1	2.2	1.4	.4								5.1	5.9
W	1.7	3.9	1.4	.1								7.0	5.0
WNW	1.0	2.5	.9	.1								4.5	5.2
NW	1.0	1.7	1.8	.6	.1							5.1	6.9
NNW	.4	.8	.8									2.0	5.7
VARBL													
CALM												4.2	
	12.1	32.6	35.2	14.0	1.8	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 3051

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24203 STATION McCLELLA AF CALIF/SACRAMENTO 40-77 YEARS
ALL WEATHER CLASS 1000-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.2									.8	4.9
NNE	.1	.1	.3									.3	4.1
NE	.1											.1	3.0
ENE	.0	.0										.1	4.5
E		.0										.0	5.0
ESE		.0	.0	.0								.1	7.7
SE		.7	.9	.2								1.7	7.7
SSE	.2	1.5	5.6	2.6	.1							10.1	9.2
S	1.9	10.2	23.1	9.8	1.3	.0						46.4	8.9
SSW	1.4	6.5	8.2	3.1	.1							19.2	7.6
SW	1.3	2.2	3.6	1.3	.2							8.5	7.6
WSW	.6	.6	.4	.0								1.6	5.2
W	.9	.3	.1									1.8	3.7
WNW	.6	.5	.1									1.1	3.8
NW	.5	.6	.4	.1								1.5	5.5
NNW	.2	.2	.2									.6	5.4
VARBL													
CALM												6.3	
	7.8	24.4	42.8	17.1	1.6	.0						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 3035

4

DATA PROCESSING BRANCH
ETAL/USAF
AIR WEATHER SERVICE /AL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23212 STATION MCCLELLAN AFB, CALIF/SACRAMENTO 41-72 YEARS 1966
STATION NAME NORTH
CLASS ALL WEATHER 2100-2300
CONDITION ROGERS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.0								.3	6.0
NNE			.0	.0								.1	9.0
NE	.1	.0										.1	3.3
ENE	.1	.0										.1	3.7
E	.2	.3	.1									.7	5.1
ESE	.2	1.9	1.8	.1	.0							4.1	6.8
SE	.2	6.3	16.4	2.2	.0							25.8	7.9
SSE	1.2	6.8	17.5	6.1	.2							31.8	8.5
S	2.1	6.7	11.2	2.6	.0	1						22.6	7.5
SSW	.4	1.2	1.9	.8								4.7	7.2
SW	.4	.4	.2	.1								1.7	6.2
WSW	.1		.0									.2	3.6
W	.3	.1	.1									.5	3.5
WNW	.2	.1										.2	2.7
NW	.1	.1	.0	.1								.4	5.1
NNW	.1		.1									.1	5.3
VARBL													
CALM												6.6	
	6.4	24.0	50.1	12.0	.3	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2969

DATA PROCESSING BRANCH
ETAC/LOAF
AIR FLEETWER SERVICE / MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2325F STATION 400LELLA AFB CALIF/SACRAMENTO 41-71 YEARS SP MONTH 0000-0000 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.7	.4	.1	.1						2.8	7.5
NNE	.3	.5	.0	.1								1.0	5.4
NE	.3	.4	.1	.0								.9	4.7
ENE	.2	.2	.1									.5	4.1
E	1.6	1.0	.4									3.4	4.2
ESE	1.7	2.8	1.0	.1								6.2	5.2
SE	3.0	11.6	17.7	1.6		.0						34.0	6.9
SSE	1.5	4.4	13.2	2.2	.1							26.5	7.3
S	.9	3.4	4.2	.5	.1	.0						9.2	6.9
SSW	.1	.5	.6	.2	.0							1.4	7.6
SW	.1	.2	.3	.1								.8	4.7
WSW	.0											.0	3.0
W	.4	.1	.0									.5	2.9
WNW	.2	.1	.1	.0								.4	4.3
NW	.2	.2	.3	.1	.0	.1						1.0	7.7
NNW	.2	.5	.6	.4	.1							1.7	8.8
VARBL													
CALM												9.6	
	11.6	32.4	39.9	5.8	.5	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2869

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE /MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232.8 STATION NOCLELLA AFB CALIF/SACRAMENTO 40-12 YEARS SEP MONTH
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.1	1.1	.6	.1	.1						4.7	6.3
NNE	.5	.7	.0	.1								1.3	4.2
NE	.6	.4	.2	.1								1.3	4.5
ENE	.3	.1										.4	3.0
E	1.3	1.0	.2									2.4	3.8
ESE	2.2	2.5	.8									5.4	4.4
SE	3.8	11.3	13.6	1.0								29.7	6.5
SSE	2.3	8.7	10.7	1.8	.1							23.6	7.0
S	1.7	3.3	3.5	.9	.1							9.5	6.7
SSW	.1	.3	.5	.0								1.0	5.8
SW	.1	.1	.1									.4	5.4
WSW	.1	.0		.0								.2	5.0
W	.3	.1										.4	3.2
WNW	.3	.1	.1									.5	3.6
NW	.4	.5	.4	.1	.1	.1						1.7	7.4
NNW	.6	.8	.7	.3	.2							2.7	7.0
VARBL													
CALM												14.8	
	16.5	31.2	31.9	4.9	.5	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2928

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

232.8 STATION 200LELLA, AF CALIF/SACRAMENTO 40-12 YEARS SEP MONTHS 0600-0800 MOSES (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.0	1.7	.7	.1	.1						2.0	6.2
NNE	.8	.6	.2	.0		.0						1.7	4.6
NE	1.5	.4										1.5	3.2
ENE	.3	.2	.0									.5	4.1
E	1.3	.8	.2									2.3	3.3
ESE	1.7	1.6	.3									3.6	4.2
SE	4.2	8.9	7.2	.7	.0							21.4	5.9
SSE	2.0	7.0	9.8	1.8	.2							20.9	7.2
S	2.2	4.4	2.0	1.0	.3							14.0	7.1
SSW	.9	.8	.5									1.6	5.6
SW	.3	.4	.1									.8	4.4
WSW	.1	.0	.1									.2	5.1
W	.2	.1										.3	2.9
WNW	.2	.2	.0									.4	3.4
NW	.5	.5	.5	.2	.2	.0	.0					1.7	5.1
NNW	.7	1.4	1.2	.5	.2	.1						4.2	7.7
VARBL													
CALM												17.0	
	18.2	29.3	28.0	5.6	1.3	.3	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2958

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

237-11 MUCLELLA AF CALIF/SACRAMENTO 40-71
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
400-1100
WINDS (KTS.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.8	1.6	.8	.3	.1	.0					6.5	7.5
NNE	.3	.2	.4	.2	.0							1.7	7.3
NE	.5	.1	.1									.7	3.5
ENE	.2	.1										.3	3.8
E	.9	.1	.1									1.1	3.1
ESE	.9	.4	.2									1.6	3.6
SE	1.6	3.5	1.2	.1								4.7	5.1
SSE	1.2	3.9	5.9	1.4	.1	.1						13.1	7.3
S	4.5	7.3	8.4	7.8	.2							23.1	6.8
SSW	1.9	2.7	1.8	.5	.1							6.6	5.7
SW	2.4	1.8	.7									4.9	4.2
WSW	.0	.3	.0									1.0	3.5
W	1.3	.5	.2	.0								2.1	3.5
WNW	.7	.8	.3	.0								1.8	4.7
NW	1.7	2.3	1.8	.9	.2	.2						7.1	7.3
NNW	.9	1.8	1.9	1.7	.5	.2	.3					7.3	9.8
VARBL													
CALM												14.6	
	22.1	27.7	24.9	8.4	1.4	.6	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2952

DATA PROCESSING BRANCH
STAG/USAF
AIR WEATHER SERVICE / MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23-3 STATION 3 MCCLELLA AF CALIF/SACRAMENTO 40-72 YEARS SOUTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-5	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.7	1.4	.8	.3	.1						5.5	7.4
NNE	.2	.2	.2	.2								.8	7.5
NE	.3	.1										.4	3.2
ENE	.1	.0										.1	3.7
E	.3	.1	.1									.5	3.8
ESE	.2	.1	.0									.4	3.4
SE	1.6	.8	.4	.1								2.3	4.6
SSE	.7	1.9	2.0	.4	.1	.1						5.3	7.4
S	2.9	6.3	6.3	2.3	.4							18.4	7.2
SSW	1.6	4.6	3.1	.8	.1							17.5	5.4
SW	2.9	4.1	2.7	.2	.0							10.0	5.3
WSW	1.2	1.2	.6									3.1	4.5
W	2.0	3.3	.7	.1								6.0	4.4
WNW	1.6	2.4	1.0	.3								5.7	5.6
NW	2.6	3.4	4.4	1.3	.4	.2	.1	.0				12.3	7.5
NNW	.9	2.1	2.2	1.8	.3	.2	.1					7.5	7.1
VARBL													
CALM												11.2	
	20.0	32.4	25.8	8.2	1.7	.6	.2	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2962

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

234000 MCLELLAN AB CALIF/SACRAMENTO 40-70 SP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.5	1.0	.5	.2	.0	.2					4.2	7.3
NNE	.2	.1	.3	.1								.7	7.9
NE	.1	.1	.1	.0								.4	8.0
ENE	.0	.0	.0									.1	8.0
E	.2	.1	.1									.3	8.3
ESE	.2	.1	.0									.3	8.5
SE	.3	.5	.2	.0								1.0	8.8
SSE	.4	1.1	1.5	.6	.3	.1						4.1	8.7
S	2.8	4.7	8.6	3.5	.8	.1						20.5	8.2
SSW	1.7	4.3	5.2	1.4	.2	.1						12.9	7.3
SW	2.4	4.0	3.2	1.2	.3	.0						11.2	6.7
WSW	1.0	1.5	1.1	.3								3.9	5.6
W	2.2	2.8	.8	.1								5.8	4.4
WNW	1.3	3.0	1.0	.1	.0		.0					5.6	5.4
NW	1.8	4.5	4.1	1.2	.4	.2	.1	.1				12.4	7.8
NNW	1.0	1.9	2.0	1.3	.4	.1						6.7	8.3
VARBL													
CALM												9.8	
	16.6	30.2	29.5	10.4	2.6	.7	.2	.1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 2958

DATA PROCESSING BRANCH
 FTAC/USAF
 AIR WEATHER SERVICE /PAI

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.9 STATION MOBILELLA AFB CALIF/SACRAMENTO 40-72 YEARS SEP MONTH 1800-2000 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.9	.9	.4	.2							2.4	5.9
NNE	.2	.3	.1	.0								.6	4.6
NE	.2	.2	.0									.5	4.1
ENE	.1	.0	.0									.1	4.8
E	.2	.1	.0									.3	3.8
ESE	.1	.1	.1									.4	5.4
SE	.6	.7	.8	.3								2.5	6.4
SSE	1.0	3.0	5.0	1.3	.2							10.6	7.6
S	2.4	8.4	14.3	3.7	.1	.1						9.4	7.6
SSW	2.0	4.8	6.0	1.2	.0							14.1	6.9
SW	1.3	2.6	2.9	.6								7.9	6.3
WSW	1.1	.7	.3	.0								2.1	4.1
W	1.5	.7	.2									2.4	3.5
WNW	.7	.6	.2	.0								1.6	4.3
NW	.9	1.1	1.3	.2	.1	.1						3.7	6.9
NNW	.6	1.0	.6	.2		.0						2.4	6.3
VARBL													
CALM												18.1	
	14.8	25.3	32.9	8.1	.0	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2928

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/4AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.3 STATION MCCLELLA AFB CALIF/SACRAMENTO 41-12 YEARS SEP
STATION NAME CLASS 2100-2300
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.8	1.1	.3	.1							2.9	7.5
NNE	.3	.2	.2	.1								.8	5.8
NE	.3	.2	.1	.0								.7	5.0
ENE	.3	.2										.5	3.4
E	1.3	1.5	.3									3.0	4.0
ESE	1.2	2.5	.9	.1								4.6	4.9
SE	2.1	9.0	13.8	1.3	.0							25.2	7.0
SSE	1.9	0.5	10.4	2.3	.1							21.2	7.4
S	2.6	5.5	6.3	.9	.0	.0						15.5	6.4
SSW	.8	1.4	1.4	.1								3.8	6.1
SW	.4	.7	.3	.1	.1							1.7	6.3
WSW	.3	.2	.1	.0								.6	4.6
W	.5	.3	.1									.8	3.7
WNW	.3	.1	.1									.5	3.8
NW	.2	.3	.4	.1	.0							1.1	7.0
NNW	.2	.3	.6	.2	.0							1.4	7.8
VARBL													
CALM												14.7	
	13.0	29.8	36.2	5.8	.5	.0						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2868

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SEP/IC /MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

232
STATION

MCCLELLA AF CALIF/SACRAMENT.

STATION NAME

41-77

YEARS

CI

MONTH

ALL WEATHER

CLASS

0000-0000

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.0	1.7	.7	.5	.0	.1					5.8	8.3
NNE	.4	.6	.4	.1	.0							1.6	5.3
NE	.6	.5	.2									1.4	4.4
ENE	.5	.5	.3									1.3	4.5
E	2.7	2.4	.9	.1								6.1	4.3
ESE	2.2	4.0	1.8	.1								8.1	4.9
SE	3.6	10.1	10.2	1.2	.1							25.1	6.3
SSE	1.6	5.2	6.2	1.0	.3	.1						14.5	7.1
S	1.0	2.0	2.2	.8	.3							6.3	7.5
SSW	.3	.3	.2	.3	.1	.0						1.1	8.4
SW	.2	.3	.2	.0	.0							.9	6.4
WSW	.1	.0	.0									.2	3.4
W	.3	.2	.1									.6	3.9
WNW	.3	.2	.1			.0						.6	4.9
NW	.5	.6	.8	.4	.2	.0						2.5	7.7
NNW	.8	1.0	.9	.5	.4	.1						3.7	8.1
VARBL													
CALM												20.3	
	16.2	29.8	26.1	5.3	1.9	.3	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2973

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 232.45 HCCLELLA AFB CALIF/SACRAMENTO 40-72 YEARS CT MONTH 0300-0500 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	1.5	.6	.4	.1	.1					9.1	6.5
NNE	.9	.8	.4	.1	.6							2.2	5.2
NE	1.3	.8	.4	.0		.0						2.5	4.6
ENE	.5	.3	.2									1.0	4.4
E	1.9	2.0	.5									4.4	4.3
ESE	2.0	3.4	1.0	.1								5.4	4.6
SE	2.8	8.5	8.1	1.1	.2	.1						10.7	6.5
SSE	1.6	5.5	5.2	1.0	.2	.1						13.5	6.9
S	.9	2.2	2.2	.7	.2	.1						4.3	7.3
SSW	.3	.3	.3	.2	.0	.0						1.2	7.5
SW	.1	.1	.1	.0								.3	6.1
WSW	.2	.1	.0									.4	3.6
W	.6	.3		.0								.9	3.7
WNW	.4	.2	.1		.0							.7	4.3
NW	1.2	.8	.6	.4	.2							3.2	6.5
NNW	.7	1.1	.8	.5	.3	.1						3.4	8.2
VARBL													
CALM												24.9	
	17.8	28.8	21.6	4.9	1.6	.5	.0					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 3026

4

DATA PROCESSING BRANCH
ETAC/OSMF
AIR WEATHER SERVICE / MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 23205 MOCELLA AF CALIF/SACRAMENTO YEARS 40-72 CT
STATION NAME NORTH
CLASS ALL WEATHER 3000-0800
CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.9	2.2	.7	.5	.2	.2					9.4	7.2
NNE	1.2	.3	.5	.1	.1							2.5	5.2
NE	1.0	1.0	.3									2.9	3.9
ENE	.4	.3	.1									.8	3.8
E	1.7	1.0	.2	.0								2.9	3.6
ESE	1.1	1.9	.6	.1								3.7	4.8
SE	3.4	7.3	5.4	1.0		.1	.0					17.3	6.1
SSE	1.0	4.6	5.7	1.3	.3	.1	.1					13.6	7.3
S	1.5	2.4	3.2	.9	.1	.0						8.1	7.1
SSW	.2	.3	.4	.1	.0	.0						1.0	7.6
SW	.5	.2	.2									.9	4.2
WSW	.1	.1										.2	3.7
W	.6	.1										.7	2.8
WNW	.3	.2	.1	.1								.6	5.5
NW	1.0	.8	.9	.3	.1	.0		.0				3.2	6.8
NNW	1.0	1.2	.9	.7	.4	.1						4.3	8.2
VARBL													
CALM												27.9	
	18.8	25.0	26.8	5.2	1.6	.6	.2	.0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

3065

4

DATA PROCESSING BRANCH
 FTSC/DAF
 AIR WEATHER SERVICE / PAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

282.3 STATION MUCLELLA AFB CALIF/SACRAMENTO YEARS 40-72 CI 7
 MONTH 0900-1100
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.8	2.1	1.4	.9	.3	.2	.1				9.2	10.0
NNE	.7	.5	.1	.2	.1	.0						1.5	6.1
NE	.6	.1	.1									.8	3.4
ENE	.3	.1	.1									.5	3.9
E	.5	.2	.0	.0								.8	3.8
ESE	.3	.2	.3	.0								.9	5.1
SE	1.9	2.4	1.7	.5	.1	.1						6.6	6.0
SSE	1.8	3.8	5.0	1.5	.6	.3						13.0	7.8
S	3.2	5.4	6.0	1.9	.6	.1						17.2	7.0
SSW	1.1	1.2	.9	.6	.1							4.0	6.5
SW	1.5	1.0	.5	.1	.0							3.1	4.4
WSW	.2	.1	.1	.0								.4	4.3
W	1.2	.3	.0									1.6	2.8
WNW	1.2	.5	.3	.1	.1							2.2	4.8
NW	2.3	2.4	1.9	1.0	.2	.3	.0					8.0	7.2
NNW	1.7	2.0	3.1	1.0	1.1	.4	.1	.0				9.4	9.5
VARBL													
CALM												20.7	
	20.9	22.1	22.2	8.3	3.8	1.5	.0	.1				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 3060

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / AAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23725
STATION

MCCLELLA SF CALIF/SACRA-FRT
STATION NAME

40-12
YEARS

1
NO. IN

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.7	2.4	1.2	.5	.3	.1					3.2	8.6
NNE	.2	.3	.2	.1	.1	.0	.1					1.0	3.4
NE	.3	.2	.1	.1			.1					.7	6.7
ENE	.1		.0	.0								.1	6.8
E	.4	.3	.1									.7	3.6
ESE	.0	.2	.1	.0	.0							.0	4.0
SE	1.2	1.1	.6	.4	.1							3.4	5.8
SSE	.8	1.2	2.3	1.1	.4	.2	.0	.1				6.1	9.6
S	2.5	4.2	5.4	1.9	.3	.2						14.4	7.5
SSW	1.6	2.7	2.5	1.1	.2							8.1	6.9
SW	2.1	2.0	1.7	.4								6.2	5.5
WSW	.9	.6	.2	.1								1.8	4.4
W	2.0	1.0	.3									3.4	3.6
WNW	1.5	1.0	.9	.3	.1							4.5	5.4
NW	2.9	4.4	3.9	1.5	.9	.5	.1	.1				14.4	8.2
NNW	1.5	2.4	2.9	2.1	1.2	.3	.3	.1				10.6	10.1
V-RBL													
CALM												15.5	
	20.5	24.0	23.4	10.4	3.8	1.5	.6	.2				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

3056

DATA PROCESSING BRANCH
 FTAG/USAF
 AIR PLANNER SERVICE / 1-1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232... STATION NOCLELLA AF CALIF/SACRAMENTO 40-72 YEARS CT MONTHS 1000-1700
 CLASS ALL RATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.3	2.3	1.4	.3	.2	.1					8.8	7.6
NNE	.2	.3	.1	.4	.2	.1						1.3	10.5
NE	.3	.2	.0	.1	.1	.0						.7	5.5
ENE	.0	.1		.0								.2	5.2
E	.7	.1	.2	.0								1.1	4.5
ESE	.4	.4	.1	.0								1.0	4.7
SE	.6	.9	.8	.2								2.6	5.0
SSE	.7	1.4	1.9	.7	.2	.2		.1				5.2	8.8
S	2.5	4.3	5.9	2.3	.8	.1						15.8	7.8
SSW	1.3	2.5	3.0	1.2	.1	.0						8.1	7.3
SW	1.9	1.9	1.9	.9	.1							6.6	5.4
WSW	.6	.6	.5	.1	.1							1.9	5.9
W	1.5	.8	.3	.1								2.6	4.1
WNW	1.5	1.6	.4	.3	.1							3.9	5.0
NW	3.4	3.0	3.5	1.4	.6	.5	.1					12.5	7.8
NNW	1.9	1.9	2.7	1.4	.7	.2	.2	.1				9.1	9.1
VARBL													
CALM												18.7	
	19.7	22.4	23.6	10.6	3.1	1.3	.4	.2				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 3057

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / 147

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

230000 ACCELELLA AF CALIF/SACRAMENTO 40-72 CT
STATION MONTH YEARS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	.2	.3	.1						4.2	5.8
NNE	.5	.4	.5	.2	.1							1.6	6.6
NE	1.1	.7	.4	.1								2.1	4.5
ENE	.4	.2	.2	.0								.0	5.1
E	.9	.6	.3									1.8	4.2
ESE	.6	.7	.2	.0								1.5	4.3
SE	1.3	1.5	1.5	.2	.1							4.7	6.2
SSE	1.1	3.0	3.0	1.0	.2	.0	.3					8.4	7.3
S	3.0	6.7	7.1	1.7	.3	.0	.0					16.0	6.9
SSW	1.2	2.5	2.6	.7	.3							7.2	7.0
SW	1.3	1.8	1.5	.3								4.8	5.8
WSW	.7	.4	.2	.0		.0						1.4	5.6
W	.7	.5	.2									1.5	4.0
WNW	.3	.4	.3									1.5	4.4
NW	.9	1.1	2.1	.2	.2	.1						4.6	7.6
NNW	.8	1.1	1.1	.8	.1	.1	.0					3.9	8.1
VARBL													
CALM												27.2	
	17.0	23.1	22.9	5.9	1.5	.3	.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 3025

DATA PROCESSING FROM
FIELD/USAF
AIR WEATHER SERVICE / A

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOORELLA - CALIF/SACRA-ENT STATION NAME MOORELLA - CALIF/SACRA-ENT YEARS 41-72 MONTHS 1-12

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	1.5	1.0	.3	.1						5.1	1.3
NNE	.4	.4	.4	.1	.0							1.3	1.3
NE	.7	.6	.4	.1								1.8	1.1
ENE	.6	.3										.9	2.7
E	3.3	2.4	.8									6.5	3.9
ESE	1.8	3.6	1.3	.1								6.8	4.9
SE	3.4	7.8	6.6	.7	.1							13.3	6.0
SSE	1.6	5.1	5.1	1.1	.1	.0	.0					13.1	4.8
S	1.5	3.0	3.2	1.2	.3	.1	.0					8.6	7.4
SSW	.5	.5	.4	.4	.0							2.0	5.9
SW	.6	.7	.6	.0								1.9	5.5
WSW	.3	.2	.0									.5	2.5
W	.4	.3	.2									.9	4.3
WNW	.4	.2	.2									.7	4.1
NW	.5	1.1	1.2	.3	.1		.1					3.3	7.3
NNW	.5	1.2	1.2	.2	.3	.1	.0	.0				3.9	8.6
VARBL													
CALM												23.6	
	17.9	28.4	22.7	5.6	1.2	.3	.2	.0				100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 2972

DATA PROCESSING BRANCH
 FTAL/USAF
 AIR WEATHER SERVICE / AF

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23000 MICHELLE AF (CALIF/SACRAMENTO) YEARS 41-72
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	1.2	1.7	2.2	1.2	.4	.1	.0					6.9	8.2
NNE	.7	.6	.4	.1								1.8	5.3
NE	.9	1.0	.2	.0								2.1	4.2
ENE	.5	.6	.4	.0								1.5	5.1
E	3.3	2.6	1.3	.1								7.2	4.4
ESE	1.9	3.7	1.6	.0								7.2	4.9
SE	2.2	7.4	5.0	.9	.3	.1						15.0	6.4
SSE	1.3	3.9	4.4	1.9	.4	.1	.1					12.1	8.1
S	1.3	1.7	2.8	.6	.2		.0					6.6	7.3
SSW	.3	.2	.3	.2	.0							1.1	7.3
SW	.4	.2	.3									1.0	4.8
WSW	.1	.2										.3	3.8
W	.5	.2	.1									.8	3.6
WNW	.2	.4	.0									.6	4.2
NW	1.0	.8	.8	.1		.0	.1					2.9	4.3
NNW	.7	1.0	1.6	.7	.1	.2						4.4	5.6
VARBL													
CALM												27.6	
	16.5	26.2	21.5	5.8	1.4	.7	.3					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2873

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE /-AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23006 STATION MUCLELLA AF CALIF/SACKAMENT. 40-77 YEARS
STATION NAME
ALL WEATHER CLASS
DATE 30-6-00
SHEET 1 OF 1

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	2.5	.7	.3	.1	.1					9.5	7.1
NNE	1.1	1.0	.4	.0								2.4	1.5
NE	1.4	1.1	.3									2.9	1.2
ENE	.5	.6	.1									1.3	1.2
E	2.2	2.6	.6									5.4	1.2
ESE	1.6	2.9	1.2	.0								5.7	1.7
SE	2.8	3.1	4.8	1.1	.1	.2	.0					15.1	5.6
SSE	1.5	3.5	4.0	1.6	.5	.2	.1					11.4	3.1
S	1.5	1.7	1.7	1.2	.2	.1						6.6	7.5
SSW	.4	.2	.4	.1								1.1	6.1
SW	.5	.3	.2									1.1	4.3
WSW	.2	.1	.1	.0								.4	4.6
W	.0	.4	.1	.0								1.2	3.0
WNW	.4	.3	.1									.0	4.1
NW	1.1	.9	.6	.1	.0		.1					2.8	5.8
NNW	.7	1.8	1.1	.9	.1	.2	.1					4.8	3.0
VARBL													
CALM												28.6	
	18.5	26.2	18.3	6.0	1.2	.8	.4					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 2932

DATA PROCESSING BRANCH
FAC/CTAF
AIR WEATHER SERVICE / SAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2320P MCCLELLA SF - CALIF/SACRAMENTO YEARS 39-70 MONTH 01-12
STATION NAME CLASS ALL WEATHER HOURS (LST) 0000-0600
CO-LOCATION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7	2.7	.7	.2	.2	.1					0.3	5.8
NNE	1.4	1.0	.4									2.7	4.2
NE	1.7	1.7	.2	.1								3.0	4.3
ENE	.0	.7	.1									1.4	4.0
E	2.0	1.1	.3	.0								2.5	3.8
ESE	1.5	1.7	.4	.1								4.0	4.3
SE	2.7	5.4	4.4	.8	.3	.0	.0					13.7	5.4
SSE	1.5	3.4	4.0	2.0	.6	.1	.1	.1				11.6	8.5
S	1.7	2.1	2.1	.7	.2	.2						6.4	7.4
SSW	.3	.3	.2	.2	.0							1.0	5.8
SW	.4	.6	.5	.1	.0							1.7	5.0
WSW	.3	.1	.0	.0								.5	4.2
W	.5	.2	.1									.8	3.3
WNW	.4	.1	.1	.1								.7	4.4
NW	1.4	1.3	.5	.2	.1	.0	.1					3.7	6.4
NNW	1.3	1.7	1.2	.7	.2	.2	.0					5.3	7.5
VARBL													
CALM												29.7	
	20.3	24.0	17.5	2.0	1.8	.7	.4	.1				100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 3006

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / SAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2320 MOORELLA AF CALIF/SACRAMENTO 19-77 YEARS 33
STATION NAME ALL WEATHER 1900-1100
CLASS HOURLY (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.7	2.4	1.1	.4	.3	.3	.1				10.7	7.8
NNE	.9	.9	.2	.1								2.1	4.5
NE	.9	.3	.2									1.4	3.6
ENE	.2	.2	.1	.0	.0							.5	5.6
E	.6	.6	.0	.0								1.3	3.9
ESE	.5	.9	.3	.1								1.9	4.9
SE	1.9	2.9	2.6	.9	.3	.1	.0					3.9	7.2
SSE	1.0	3.7	5.1	3.0	.7	.2	.1					13.9	9.2
S	2.3	4.2	4.0	2.0	.3	.2						13.0	7.4
SSW	1.0	.7	.3	.2	.0	.1	.0					2.4	6.1
SW	1.3	.8	.5	.0								2.6	4.2
WSW	.5	.2	.0		.0		.1					.8	5.4
W	.9	.4	.0									1.3	3.1
WNW	1.1	.6	.2	.1	.0							2.0	4.3
NW	2.8	1.7	1.7	.7	.1	.1	.1	.1	.0			7.3	6.9
NNW	1.0	2.2	2.5	1.3	.3	.6	.1	.0				8.0	9.5
VARBL													
CALM												22.4	
	20.0	23.0	20.1	9.6	2.3	1.6	.7	.2	.0			100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 3023

DATA PROCESSING BRANCH
ETC/USAF
AID WEATHER SERVICE / AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23202 STATION NAME MCLELLAN AF CALIF/SACRAMENTO 39-12 YEARS 11 MONTHS 1.00-1.00 HOURS (L & T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.1	2.7	1.2	.6	.3	.6					5.5	7.7
NNE	.7	.3	.3	.2	.0	.0						1.6	5.2
NE	.7	.3	.2									1.1	7.5
ENE	.3	.1	.1	.0								.4	4.7
E	.7	.3	.0	.0								1.0	3.5
ESE	.3	.4	.1	.0								.9	4.4
SE	1.2	1.6	1.6	.6	.2	.2	.1					5.7	8.5
SSE	.9	2.4	3.3	2.3	1.2	.4	.0					10.5	10.1
S	2.7	3.6	5.0	2.5	.8							14.5	8.0
SSW	1.2	1.4	.6	.4	.1	.1						3.7	6.3
SW	2.1	1.3	.5	.2	.0							4.2	4.5
WSW	.4	.4	.2	.1	.0	.0						1.1	5.9
W	1.5	.8	.1	.1	.1							2.6	4.1
WNW	1.3	1.3	.4				.0					3.0	4.5
NW	3.4	3.6	2.5	.8	.5	.4	.1	.2	.1			11.5	7.5
NNW	1.7	2.8	3.1	1.7	.6	1.0	.3	.0				11.5	10.4
VARBL													
CALM												16.8	
	21.2	23.5	20.7	10.1	4.3	2.3	.8	.2	.1			100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 3025

4

DATA PROCESSING PROGRAM
 FTAL/USAF
 AIR WEATHER SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

23000

MCCLELLA AF - CALIF/SACRAMENTO

39-77

1977

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1:00-1700

CLASS

HOURS (LST)

CONDITION

SPEED (KNOTS) DIX.	3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	3.7	2.3	.0	.2	.1	.0					17.4	5.9
NNE	.7	.0	.2	.2	.1	.0						1.9	4.2
NE	.3	.5	.1	.1	.0							1.1	4.0
ENE	.2	.1	.0									.3	3.1
E	.4	.3	.1									.8	4.0
ESE	.5	.8	.3	.0								1.6	5.0
SE	1.6	1.6	1.7	.8	.1	.2	.0					6.1	7.6
SSE	1.0	3.0	3.6	1.8	.8	.2	.2	.0				17.6	9.3
S	2.7	3.2	3.6	1.7	.5	.1						12.0	7.5
SSW	1.4	.8	.8	.8	.1	.0						3.9	7.1
SW	1.4	.7	.5	.2	.1							2.8	5.2
WSW	.3	.3	.2	.0								.9	4.0
W	1.2	.0	.2	.1								2.1	4.0
WNW	1.2	.0	.3	.1	.1	.0	.0					2.3	5.6
NW	2.6	2.9	2.5	1.1	.3	.3	.1	.0				9.7	7.3
NNW	1.7	3.2	3.0	1.6	.7	.6	.2	.1				11.1	9.3
VARBL													
CALM												22.3	
	20.8	22.9	19.6	9.2	4.1	1.6	.5	.2				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

2992

DATA PROCESSING BRANCH
AFM/USAF
AIR WEATHER SERVICE /WAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 232 MCCLELLA AF CALIF/SACRAMENTO YEARS 40-77 MONTHS 1-20-2000
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.4	2.3	.6	.3	.0						2.0	4.4
NNE	.3	1.3	.6	.2	.1							3.0	5.9
NE	1.2	1.0	.3	.0		.0						2.4	4.6
ENE	.4	.5	.1									1.0	4.3
E	1.6	1.0	.2									2.8	3.7
ESE	1.2	1.0	.0									2.8	4.5
SE	2.4	3.8	3.2	.6	.3	.1	.0					10.5	6.5
SSE	2.1	3.4	3.3	1.5	.7	.3	.0					11.4	8.1
S	2.2	2.5	3.7	1.5	.2	.1						10.2	7.2
SSW	.7	.4	.9	.6	.6							2.6	7.3
SW	.7	.7	.2	.1	.0	.0						2.1	5.7
WSW	.4	.3	.2	.1								1.0	4.8
W	.7	.4	.2									1.3	4.1
WNW	.5	.2	.1									.8	3.7
NW	1.3	1.5	1.2	.3	.1	.0						4.5	6.2
NNW	1.3	2.1	2.3	1.2	.6	.5						7.0	9.1
VARBL													
CALM												27.4	
	20.0	22.6	19.8	9.7	2.4	1.1	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2944

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MOBILELLA AF CALIF/SACRAMENTO YEARS 41-72 MONTH ALL MONTH
STATION NAME ALL MONTH CLASS ALL MONTH HOURS (LST) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	2.0	.8	.4	.1						4.9	7.7
NNE	.4	.7	.6	.0	.1							2.3	5.3
NE	.8	.8	.3									1.9	4.5
ENE	.7	.7	.3									1.7	4.2
E	3.1	2.5	.8									6.4	4.0
ESE	2.9	3.8	1.1	.1								7.8	4.4
SE	2.5	0.4	5.7	.7	.4	.1						15.9	6.5
SSE	1.2	3.7	3.7	1.0	.7	.4	.1					10.7	5.4
S	1.2	1.9	2.5	1.0	.2	.2	.0					7.1	7.9
SSW	.2	.3	.7	.3				.0				1.5	3.3
SW	.5	.4	.3									1.2	4.8
WSW	.1	.2	.1									.4	4.8
W	.5	.2	.1	.0								.8	4.0
WNW	.2	.2	.1									.2	3.9
NW	.9	1.3	1.1	.2	.1		.0					3.6	6.3
NNW	.9	1.1	1.9	.9	.2	.3	.1					5.5	9.5
VARBL													
CALM												25.0	
	17.9	25.7	22.1	5.0	2.0	1.0	.3	.0				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2872

4

DATA PROCESSING PRGM
FAC/USAF
AID WEATHLP SVCIC /PAI

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23228 STATION McCLELLAN AFB CALIF/SACRAMENTO 41-72 YEARS FC MONTH 0000-0000 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.4	1.9	.8	.4	.0	.1	.3				7.6	7.2
NNE	.2	.7	.7	.2	.0							2.0	6.4
NE	1.0	1.1	.2									2.3	4.2
ENE	.4	.9	.1									1.4	4.4
E	2.0	2.2	.9	.0								5.2	4.5
ESE	1.4	2.7	.8	.0								5.0	4.7
SE	1.6	5.4	6.7	1.5	.1	.1	.0					15.4	7.2
SSE	1.5	4.0	4.3	2.2	1.5	.5	.2	.1				14.1	9.7
S	1.4	2.0	2.4	1.7	1.0	.2	.0					8.7	9.3
SSW	.2	.5	.2	.2	.1							1.1	7.5
SW	.3	.3	.3	.1								1.0	5.0
WSW	.1	.1										.2	3.5
W	.4	.3	.1									.9	3.7
WNW	.3	.4	.0									.7	4.0
NW	1.3	1.1	1.0	.3	.0							3.7	5.7
NNW	1.1	1.3	1.4	.6	.3	.1						4.9	7.6
VARBL													
CALM												25.9	
	15.3	25.4	21.2	7.6	3.3	.9	.3	.1				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2964

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE /MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

232.9 STATION MCCLELLA AFB CALIF/SACRAMENTO YEARS 40-72 FC
STATION NAME CLASS NORTH
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.1	3.0	2.6	.7	.2	.0	.0	.0				2.0	1.3
NNE	1.0	.8	.4	.1								2.3	4.7
NE	.9	.9	.7									2.5	4.9
ENE	.5	.6	.2									1.3	4.5
E	2.1	1.6	.5									4.2	7.8
ESE	1.4	2.0	.6	.1								4.2	4.7
SE	1.9	4.4	5.2	1.7	.7	.3	.0	.0				14.0	8.1
SSE	1.1	3.0	4.1	2.5	1.2	.6	.1	.1				12.6	10.3
S	1.8	1.7	2.2	1.8	.8	.2	.0					8.5	9.1
SSW	.4	.3	.5	.2	.0	.0						1.4	7.3
SW	.7	.3	.2	.1	.0							1.4	5.5
WSW	.1	.1					.2					.2	7.9
W	.7	.4										1.0	3.1
WNW	.5	.3	.2									1.0	4.3
NW	1.4	1.4	.7	.1								3.6	4.7
NNW	1.1	1.5	1.6	.3	.3	.0						4.7	6.9
VARBL													
CALM												25.9	
	18.6	22.1	19.9	7.6	3.3	1.2	.3	.1				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 3028

4

DATA PROCESSING BRANCH
FIAL/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23205 STATION 23205 MCCLELLAN AF CALIF/SACRAMENTO 39-72 YEARS IFC NORTH 000-0300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.4	2.8	1.1	.1	.1	.2					11.1	5.0
NNE	1.1	.9	.2	.1								2.3	4.3
NE	1.5	1.4	.4									3.3	4.1
ENE	.6	.5	.1									1.2	3.8
E	2.0	1.3	.3	.0								2.6	3.7
ESE	.8	1.4	.6	.2	.1							3.1	5.6
SE	1.9	3.7	3.8	1.6	.4	.3	.0					11.7	7.8
SSE	1.2	2.8	3.1	3.3	1.5	.9	.2					13.0	11.1
S	1.4	2.2	2.5	1.3	.6	.3	.2					8.4	8.9
SSW	.5	.4	.5	.2	.0	.1						1.7	7.3
SW	.5	.3	.2	.1	.0							1.1	5.5
WSW	.3	.1	.1	.0								.4	4.2
W	.8	.2	.0									1.0	3.2
WNW	.4	.4	.1									.3	4.3
NW	1.4	1.7	.8	.2	.1							4.2	5.4
NNW	1.1	2.1	1.2	.4	.2	.1						5.1	6.6
VARBL													
CALM												28.0	
	19.0	22.8	16.8	8.4	2.9	1.7	.4					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 3125

DATA PROCESSING BRANCH
ETL/UTAF
AIR WEATHER SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.8 STATION NO. MOORELLA AF, CALIF/SACRAMENTO 39-72 YEARS 30 MONTHS
ALL WEATHER CLASS 1960-1969
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.0	2.5	1.0	.4	.1	.0	.0				10.0	4.6
NNE	.0	1.0	.3				.0	.0				1.0	5.8
NE	1.7	.6	.2									2.0	3.8
ENE	.3	.1	.1									.5	4.1
E	.8	.7	.2	.1								1.7	4.2
ESE	.7	.7	.3	.0	.0							1.8	4.9
SE	1.6	2.5	2.7	1.4	.6	.1	.1	.0				9.0	3.2
SSE	1.1	2.4	4.4	3.3	2.5	1.0	.2	.1				15.1	11.8
S	1.8	3.1	3.7	2.2	.9	.4	.1					12.1	8.9
SSW	.4	.7	.6	.5		.0						2.3	7.4
SW	1.0	.6	.1	.0								1.8	3.6
WSW	.3	.2	.1	.0								.6	4.7
W	1.0	.7	.1					.0				1.8	4.0
WNW	.7	.0	.1			.0	.0					1.5	4.6
NW	2.7	2.4	1.5	.3	.1	.2	.0					7.2	5.6
NNW	1.6	2.4	2.1	1.2	.2	.2						7.6	7.5
VARBL													
CALM												22.3	
	18.9	22.3	19.1	10.1	4.8	2.0	.4	.2				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 3154

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVIC /HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23274 MCCLELLA AF CALIF/SACRAMENT. YEARS 39-7
STATION NAME CLASS ALL W-ATHER
HOURS (L.S.T.) 1200-1400
LOCATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	3.4	2.4	1.3	.3	.3	.0					13.4	7.2
NNE	.0	1.4	.3	.1		.0	.3	.0				2.1	6.0
NE	.5	.6	.2	.1			.0					1.5	5.7
ENE	.1	.2										.2	4.1
E	.5	.2	.2									.3	4.0
ESE	.3	.4	.2	.1	.0							1.1	6.0
SE	1.3	2.0	2.2	.9	.3	.1						6.0	7.6
SSE	1.2	2.0	4.1	3.5	2.4	1.0	.2	.0				14.4	11.9
S	2.0	3.5	4.7	2.3	1.0	.2	.1					13.8	8.7
SSW	1.0	.9	.4	.7	.3		.0					3.2	7.6
SW	1.1	1.1	.5	.2								2.9	5.2
WSW	.3	.3	.2	.1								1.0	5.3
W	1.2	.4	.3	.0								1.9	3.8
WNW	.0	.8	.5	.1								2.2	5.0
NW	2.4	2.9	3.0	.7	.1	.2	.1					9.4	6.9
NNW	1.4	2.6	2.9	1.6	.8	.4	.2					9.9	7.5
VARBL													
CALM												18.0	
	17.3	22.6	22.0	11.5	5.3	2.3	.7	.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 3154

DATA PROCESSING FORM
 AFM/USAF
 AIR WEATHER SERVICE / 11/1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2321 MOBILE AL CALIF/SACRAMENTO 39-11 YEARS FL
 MONTH 1000-1700
 HOURS (LST)
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	2.0	2.0	2.0	.0	.0	.1	.0					2.0
NNE	.4	.6	.3	.1								1.7
NE	.2	.2	.3			.5						1.4
ENE	.3	.3	.1	.0								1.2
E	.7	.4	.2	.0								1.3
ESE	.4	.7	.1	.0								1.2
SE	1.4	3.2	2.7	.9	.5	.0						2.1
SSE	1.1	3.2	3.5	2.9	1.7	.9	.1					3.4
S	2.6	4.3	3.2	1.9	.6	.2	.1					3.1
SSW	.3	.6	.6	.6	.6							2.9
SW	.3	.5	.3	.1								1.8
WSW	.2	.3	.1	.0								.6
W	1.2	.2	.1									1.2
WNW	.2	.9	.4	.1								1.9
NW	2.6	2.6	3.0	.9	.3	.1	.1					9.7
NNW	2.3	2.9	2.9	1.4	.4	.3	.1					10.2
VARBL												
CALM												20.6
	18.9	24.6	20.0	10.1	3.9	1.6	.4					100.0

TOTAL NUMBER OF OBSERVATIONS 3107

4

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23725 STATION 400LELLA AFB CALIF/SACRAMENTO 0-71 YEARS SC
ALL 4716R MONTHS 1000-2000
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	2.2	1.0	.3	.1		.3				2.6	3.8
NNE	.9	1.0	.2	.0								2.1	4.2
NE	.9	.9	.3									2.2	4.3
ENE	.4	.0	.1									1.1	4.1
E	1.5	1.3	.3									3.1	3.8
ESE	.9	1.3	.4	.1								2.8	4.9
SE	2.1	4.3	5.1	.6	.5							12.8	6.9
SSE	1.5	3.3	3.0	2.6	.2	.8	.2	.1				12.9	10.0
S	2.6	2.8	2.9	1.5	.0	.2	.1					10.0	8.1
SSW	.1	.5	.0	.3								1.5	7.6
SW	.7	.5	.3	.1								1.5	4.9
WSW	.1	.3	.1	.0								.6	5.2
W	.5	.3	.1	.0								1.0	4.2
WNW	.5	.4	.2									1.0	4.3
NW	1.5	2.0	1.7	.5	.1	.1						5.9	5.4
NNW	1.2	1.9	1.4	.9	.3	.1						5.7	7.4
VARBL													
CALM												25.3	
	17.3	24.2	20.0	7.9	2.6	1.2	.3	.1				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

3016

DATA PROCESSING BRANCH
ETC/L/EF
AIR WEATHER SERVICE / AF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

232.7 STATION MCCLILLA CALIF/SACRAMENTO 41-70 YEARS FL
CLASS ALL WEATHER 2100-2100
HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.0	2.0	1.0	.5	.1	.1					5.2	1.3
NNE	.5	.2	.2	.1								1.4	4.3
NE	.7	1.1	.2	.0								2.0	4.3
ENE	.3	.4	.0									.7	4.5
E	2.3	1.6	.2	.1								4.7	4.0
ESE	1.7	3.4	1.2	.2								6.3	5.0
SE	2.1	5.0	6.1	1.2	.2	.1	.1					13.8	7.1
SSE	1.1	3.7	4.4	2.2	.9	.8	.1	.3				13.6	7.7
S	1.7	2.0	2.4	1.6	.6	.2	.0					9.3	8.5
SSW	.1	.4	.4	.4	.1							1.6	8.5
SW	.4	.5		.1	.1							1.1	5.3
WSW	.1	.0	.0									.2	3.2
W	.3	.3	.1									.9	3.6
WNW	.3	.3	.1	.1								1.0	4.0
NW	.4	1.8	.8	.2	.1	.0						4.2	5.7
NNW	.2	1.6	1.6	.7	.2	.1	.0					5.4	7.5
VARBL													
CALM												24.1	
	17.0	20.1	20.4	8.0	2.6	1.3	.4	.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2953

DATE: 11/01/2001 10:00 AM
 TIME: 10:00 AM
 BY: J. L. H. / J. L. H.

<u>S-1</u>	<u>SOCL ELA</u>	<u>CAITH/SACKN</u>	<u>39-70</u>	<u>LL</u>
STATION	STATION NAME		YEARS	MOUTH
	<u>I ST.</u>	<u>IT</u>		<u>-LL</u>
	CLASS			HOURS (L & T.)
	<u>CL. 200 IT.</u>	<u>200 IT W/ VSBY 1/2</u>	<u>IT DE BR.</u>	
	CONDITION			
	<u>W/ VSBY 1/2</u>	<u>1/2 - 1/2</u>	<u>IT W/CLO 200 IT</u>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.3	1.0	.2	.0							5.7	5.0
NNE	.7	.5	.1	.0								1.6	4.1
NE	.0	.7	.2	.0								1.0	4.1
ENE	.2	.5	.0	.0								.7	3.9
E	1.1	.7	.3	.0								2.1	4.0
ESE	.8	.9	.4	.1	.0	.0						2.2	5.0
SE	2.0	3.2	3.5	1.1	.4	.3	.1	.0	.			10.7	7.8
SSE	1.7	3.4	5.0	.9	1.9	1.0	.3	.1	.			17.3	11.0
S	2.4	3.7	4.6	2.2	1.4	.4	.1	.0	.1			15.5	9.1
SSW	.7	.7	.5	.4	.1	.1	.3					2.5	7.4
SW	.5	.0	.2	.1	.1	.0	.0					1.0	5.2
WSW	.2	.2	.1	.0	.0	.0	.0					.5	4.8
W	.3	.4	.1	.0	.0			.0				1.4	3.7
WNW	.7	.4	.2	.0	.0							1.3	4.0
NW	1.7	1.7	.9	.3	.0	.0						4.6	5.3
NNW	1.2	1.6	1.0	.3	.1	.0	.0					4.4	5.8
VARBL													
CALM												25.0	
	18.8	21.7	18.8	9.3	4.1	1.8	.3	.2	.			100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 19571

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq \frac{1}{8}$	≥ 0
NO CEILING																
IV 1800																
IV 1500					91.0											92.6
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500										97.4						98.1
IV 400																
IV 300																
IV 200																
IV 100																
IV 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH
USAF LTAC
AIR WEATHER SERVIC./MAC

CEILING VERSUS VISIBILITY

23206 MCCLELLAN AFB CALIF/SACRAMENTO 30-72

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATISTICS															
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
INCEILING	62.0	69.1	70.6	71.8	72.9	73.1	73.6	73.9	73.9	74.2	74.4	74.4	74.5	74.5	74.7	75.0
IN 20000	65.5	73.2	74.9	76.2	77.4	77.7	78.2	78.5	78.6	78.9	79.0	79.0	79.1	79.2	79.3	79.6
IN 18000	65.7	73.5	75.2	76.5	77.7	77.9	78.5	78.8	78.8	79.1	79.3	79.3	79.4	79.5	79.6	79.9
IN 16000	66.0	73.8	75.5	76.8	78.0	78.3	78.8	79.1	79.2	79.5	79.6	79.6	79.8	79.8	80.0	80.3
IN 14000	66.8	74.7	76.5	77.8	79.1	79.4	79.9	80.2	80.3	80.6	80.7	80.8	80.9	80.9	81.1	81.4
IN 12000	67.9	76.1	77.9	79.2	80.5	80.8	81.4	81.7	81.8	82.1	82.2	82.3	82.4	82.4	82.6	82.9
IN 10000	68.8	77.1	78.9	80.4	81.7	82.0	82.6	82.9	83.0	83.3	83.4	83.5	83.6	83.6	83.8	84.1
IN 9000	69.1	77.4	79.3	80.7	82.1	82.4	82.9	83.3	83.4	83.7	83.7	83.8	84.0	84.0	84.2	84.5
IN 8000	69.8	78.2	80.1	81.6	83.0	83.3	83.9	84.2	84.3	84.6	84.8	84.8	84.9	85.0	85.1	85.4
IN 7000	70.4	79.0	80.9	82.4	83.8	84.1	84.7	85.1	85.1	85.4	85.6	85.6	85.8	85.8	85.9	86.3
IN 6000	71.0	79.6	81.8	83.3	84.7	85.0	85.6	86.0	86.1	86.4	86.6	86.6	86.7	86.8	86.9	87.2
IN 5000	71.8	80.9	82.8	84.3	85.8	86.2	86.8	87.2	87.2	87.5	87.7	87.7	87.9	87.9	88.1	88.4
IN 4500	72.3	81.4	83.4	85.0	86.5	86.8	87.5	87.8	87.9	88.2	88.4	88.4	88.5	88.5	88.7	89.0
IN 4000	72.9	82.2	84.2	85.8	87.4	87.7	88.4	88.8	88.8	89.2	89.3	89.3	89.5	89.5	89.7	90.0
IN 3500	73.4	82.8	84.9	86.5	88.1	88.4	89.1	89.5	89.6	89.9	90.0	90.1	90.2	90.2	90.4	90.7
IN 3000	74.0	83.7	85.9	87.5	89.1	89.5	90.2	90.6	90.6	91.0	91.1	91.1	91.3	91.3	91.5	91.8
IN 2500	74.6	84.4	86.6	88.3	90.0	90.4	91.1	91.5	91.5	91.9	92.0	92.1	92.2	92.3	92.4	92.7
IN 2000	75.0	85.1	87.4	89.1	90.8	91.2	92.0	92.4	92.4	92.8	93.0	93.0	93.2	93.2	93.3	93.7
IN 1800	75.1	85.2	87.5	89.3	91.0	91.4	92.2	92.6	92.7	93.0	93.2	93.2	93.4	93.4	93.6	93.9
IN 1500	75.3	85.5	87.9	89.8	91.6	92.0	92.7	93.2	93.3	93.6	93.8	93.8	94.0	94.0	94.2	94.5
IN 1200	75.5	85.9	88.3	90.2	92.0	92.5	93.3	93.7	93.8	94.2	94.3	94.4	94.5	94.6	94.7	95.0
IN 1000	75.7	86.2	88.6	90.6	92.5	93.0	93.8	94.3	94.4	94.8	95.0	95.0	95.1	95.2	95.3	95.6
IN 900	75.8	86.3	88.8	90.7	92.7	93.2	94.1	94.6	94.7	95.1	95.2	95.2	95.4	95.4	95.6	95.9
IN 800	75.8	86.5	88.9	90.9	93.0	93.5	94.4	94.9	95.0	95.4	95.6	95.6	95.8	95.8	96.0	96.3
IN 700	75.8	86.5	89.0	91.0	93.2	93.7	94.6	95.2	95.3	95.7	95.9	95.9	96.1	96.1	96.3	96.6
IN 600	75.9	86.6	89.1	91.1	93.3	93.9	94.9	95.5	95.6	96.1	96.3	96.3	96.4	96.5	96.6	96.9
IN 500	75.9	86.6	89.1	91.2	93.3	94.1	95.1	95.8	96.0	96.4	96.7	96.7	96.9	96.9	97.1	97.4
IN 400	75.9	86.6	89.2	91.3	93.6	94.2	95.3	96.1	96.2	96.8	97.0	97.1	97.3	97.3	97.5	97.8
IN 300	75.9	86.6	89.2	91.3	93.7	94.3	95.4	96.2	96.4	97.1	97.4	97.4	97.7	97.7	97.9	98.3
IN 200	75.9	86.6	89.2	91.3	93.7	94.3	95.4	96.3	96.5	97.2	97.6	97.7	98.0	98.1	98.4	98.9
IN 100	75.9	86.6	89.2	91.3	93.7	94.3	95.5	96.3	96.5	97.3	97.7	97.7	98.1	98.2	98.6	99.4
IN 0	75.9	86.6	89.2	91.3	93.7	94.3	95.5	96.3	96.5	97.3	97.7	97.7	98.1	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 283827

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	30.4	39.3	42.3	44.7	47.8	48.7	50.5	51.5	51.6	52.5	53.0	53.0	53.4	53.5	53.9	54.9
≥ 2000	32.6	42.3	45.5	48.1	51.4	52.4	54.2	55.3	55.5	56.4	56.9	56.9	57.3	57.4	57.8	58.9
≥ 1800	32.9	42.6	45.8	48.4	51.7	52.7	54.5	55.6	55.8	56.8	57.2	57.2	57.7	57.8	58.2	59.3
≥ 1600	33.1	42.9	46.1	48.7	52.1	53.1	54.9	56.0	56.2	57.1	57.6	57.6	58.0	58.2	58.6	59.6
≥ 1400	33.8	43.9	47.2	49.8	53.2	54.2	56.1	57.2	57.4	58.4	58.8	58.8	59.3	59.4	59.8	60.9
≥ 1200	34.5	44.9	48.4	51.1	54.6	55.6	57.5	58.6	58.8	59.8	60.2	60.3	60.7	60.8	61.2	62.3
≥ 1000	35.2	46.0	49.5	52.4	56.0	57.0	58.9	60.1	60.3	61.2	61.7	61.7	62.2	62.3	62.7	63.8
≥ 800	35.5	46.3	49.8	52.7	56.3	57.3	59.3	60.4	60.7	61.6	62.1	62.1	62.2	62.7	63.1	64.2
≥ 600	36.2	47.3	50.9	53.8	57.6	58.7	60.6	61.8	62.0	63.0	63.4	63.5	63.9	64.0	64.4	65.5
≥ 400	37.2	48.5	52.2	55.2	59.0	60.1	62.1	63.3	63.5	64.5	64.9	65.0	65.4	65.6	66.0	67.0
≥ 200	38.3	49.9	53.6	56.8	60.7	61.8	63.8	65.0	65.2	66.2	66.7	66.7	67.1	67.3	67.7	68.7
≥ 100	39.4	51.5	55.4	58.7	62.7	63.8	65.8	67.1	67.3	68.3	68.7	68.8	69.2	69.3	69.8	70.8
≥ 50	40.1	52.5	56.5	59.8	63.9	65.0	67.1	68.3	68.6	69.5	70.0	70.0	70.5	70.6	71.0	72.1
≥ 0	40.8	53.5	57.6	61.0	65.1	66.3	68.3	69.6	69.9	70.8	71.3	71.4	71.8	71.9	72.3	73.4
≥ 2500	41.4	54.5	58.6	62.1	66.3	67.4	69.5	70.9	71.1	72.1	72.0	72.6	73.1	73.2	73.6	74.7
≥ 2000	42.1	55.6	59.9	63.5	67.8	69.0	71.1	72.5	72.7	73.7	74.2	74.2	74.7	74.8	75.2	76.3
≥ 1800	42.8	56.7	61.1	64.9	69.2	70.4	72.7	74.1	74.3	75.3	75.8	75.8	76.3	76.4	76.8	77.9
≥ 1600	43.4	57.8	62.3	66.3	70.8	72.1	74.5	75.9	76.1	77.2	77.7	77.7	78.2	78.3	78.7	79.8
≥ 1400	43.5	58.1	62.6	66.7	71.2	72.5	74.9	76.3	76.6	77.6	78.1	78.2	78.6	78.8	79.2	80.3
≥ 1200	43.8	58.6	63.2	67.4	72.2	73.5	75.9	77.4	77.6	78.7	79.2	79.3	79.7	79.9	80.3	81.4
≥ 1000	44.1	59.2	63.9	68.2	73.1	74.5	77.1	78.6	78.8	79.9	80.4	80.5	80.9	81.1	81.5	82.6
≥ 800	44.2	59.5	64.4	68.9	74.0	75.4	78.1	79.7	80.0	81.1	81.6	81.7	82.1	82.3	82.7	83.8
≥ 600	44.2	59.7	64.7	69.2	74.4	76.0	78.7	80.4	80.7	81.8	82.3	82.4	82.8	83.0	83.4	84.5
≥ 400	44.3	59.9	64.9	69.6	75.1	76.7	79.6	81.3	81.6	82.8	83.3	83.4	83.9	84.0	84.4	85.5
≥ 200	44.3	60.0	65.1	69.9	75.6	77.3	80.2	82.1	82.4	83.6	84.2	84.3	84.7	84.9	85.3	86.4
≥ 100	44.4	60.2	65.4	70.3	76.2	78.1	81.1	83.2	83.5	84.8	85.4	85.5	85.9	86.1	86.5	87.6
≥ 50	44.4	60.3	65.6	70.5	76.8	78.7	82.0	84.3	84.7	86.2	86.9	86.9	87.4	87.6	88.0	89.1
≥ 0	44.4	60.4	65.7	70.7	77.1	79.2	82.7	85.3	85.8	87.5	88.3	88.4	89.0	89.1	89.6	90.8
≥ 2500	44.4	60.4	65.7	70.8	77.3	79.5	83.2	85.9	86.6	88.7	89.9	90.0	90.7	91.0	91.6	93.0
≥ 2000	44.4	60.4	65.7	70.9	77.4	79.6	83.3	86.1	86.9	89.2	90.8	91.0	92.1	92.6	93.6	95.3
≥ 1800	44.4	60.4	65.7	70.9	77.4	79.6	83.3	86.2	86.9	89.3	90.9	91.1	92.4	93.1	94.5	97.7
≥ 1600	44.4	60.4	65.7	70.9	77.4	79.6	83.3	86.2	86.9	89.3	90.9	91.1	92.5	93.2	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 23686

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFB CALIF/SACKAMENTS

40-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATISTICS															
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
NOCE NG	41.7	50.1	52.1	53.7	55.2	55.5	56.1	56.6	56.7	57.2	57.4	57.5	57.8	57.9	58.1	58.8
IV 1000	45.8	55.2	57.6	59.2	61.1	61.4	62.0	62.7	62.8	63.3	63.5	63.6	63.9	64.2	64.3	65.0
IV 800	46.1	55.5	57.9	59.5	61.4	61.8	62.4	63.0	63.1	63.6	63.9	63.9	64.3	64.4	64.7	65.3
IV 600	46.4	55.9	58.2	59.9	61.8	62.2	62.8	63.4	63.5	64.0	64.3	64.3	64.7	64.8	65.1	65.7
IV 400	47.2	57.0	59.5	61.3	63.2	63.6	64.3	64.9	65.1	65.6	65.8	65.9	66.2	66.3	66.6	67.3
IV 200	48.5	58.9	61.4	63.3	65.3	65.7	66.5	67.2	67.3	67.8	68.1	68.1	68.4	68.5	68.8	69.5
IV 100	49.8	60.5	63.1	65.0	67.2	67.7	68.4	69.1	69.2	69.7	70.0	70.1	70.4	70.5	70.8	71.5
IV 500	50.2	61.0	63.6	65.6	67.7	68.2	69.0	69.7	69.8	70.3	70.6	70.6	71.0	71.1	71.4	72.0
IV 800	51.3	62.3	65.0	67.1	69.3	69.8	70.5	71.3	71.4	71.9	72.2	72.2	72.6	72.7	73.0	73.7
IV 600	52.4	63.7	66.5	68.5	70.8	71.3	72.1	72.8	72.9	73.4	73.7	73.7	74.1	74.2	74.5	75.2
IV 400	53.7	65.4	68.2	70.3	72.7	73.2	74.0	74.7	74.8	75.4	75.7	75.7	76.1	76.2	76.5	77.2
IV 200	55.0	67.1	70.0	72.2	74.6	75.2	76.0	76.7	76.9	77.4	77.7	77.7	78.1	78.2	78.5	79.2
IV 100	56.1	68.6	71.6	73.8	76.3	76.9	77.7	78.5	78.6	79.1	79.5	79.5	79.9	80.0	80.3	81.0
IV 500	57.3	70.2	73.2	75.6	78.1	78.7	79.5	80.3	80.4	81.0	81.3	81.3	81.7	81.8	82.1	82.8
IV 800	58.2	71.4	74.6	77.0	79.5	80.1	81.0	81.7	81.9	82.4	82.7	82.8	83.1	83.2	83.5	84.2
IV 600	59.3	73.2	76.6	79.0	81.7	82.2	83.1	83.9	84.1	84.6	84.9	85.0	85.3	85.4	85.7	86.4
IV 400	60.3	74.7	78.3	80.7	83.5	84.1	85.1	85.9	86.0	86.6	86.9	87.0	87.3	87.4	87.7	88.4
IV 200	61.4	76.2	79.9	82.5	85.4	86.1	87.1	87.9	88.0	88.6	89.0	89.0	89.4	89.5	89.8	90.5
IV 100	61.5	76.5	80.2	82.9	85.8	86.5	87.5	88.3	88.5	89.1	89.4	89.5	89.8	89.9	90.2	91.0
IV 500	61.9	77.1	80.9	83.6	86.7	87.4	88.4	89.3	89.4	90.0	90.4	90.4	90.8	90.9	91.2	91.9
IV 800	62.1	77.5	81.4	84.2	87.3	88.0	89.2	90.0	90.2	90.8	91.1	91.2	91.6	91.7	92.0	92.7
IV 600	62.4	77.9	81.9	84.8	88.1	88.9	90.1	91.0	91.1	91.8	92.2	92.2	92.6	92.7	93.0	93.7
IV 400	62.5	78.0	82.1	85.1	88.4	89.2	90.5	91.4	91.5	92.2	92.6	92.6	93.0	93.1	93.4	94.1
IV 200	62.5	78.2	82.3	85.3	88.8	89.6	90.9	91.9	92.1	92.8	93.1	93.1	93.5	93.6	93.9	94.6
IV 100	62.6	78.3	82.4	85.5	89.2	90.0	91.4	92.4	92.6	93.3	93.7	93.7	94.1	94.2	94.5	95.2
IV 500	62.7	78.5	82.6	85.7	89.4	90.3	91.8	92.9	93.1	93.8	94.2	94.3	94.7	94.8	95.1	95.8
IV 800	62.7	78.5	82.7	85.8	89.7	90.6	92.1	93.3	93.5	94.4	94.8	94.9	95.3	95.4	95.7	96.4
IV 600	62.7	78.6	82.7	85.9	89.8	90.8	92.4	93.7	93.9	94.9	95.3	95.4	95.8	95.9	96.3	97.0
IV 400	62.7	78.6	82.8	85.9	89.9	90.8	92.5	93.9	94.2	95.2	95.7	95.8	96.3	96.4	96.8	97.5
IV 200	62.7	78.6	82.8	85.9	89.9	90.8	92.5	94.0	94.3	95.4	96.0	96.1	96.8	97.0	97.5	99.0
IV 100	62.7	78.6	82.8	85.9	89.9	90.8	92.5	94.0	94.3	95.4	96.1	96.2	96.9	97.1	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

21780

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

BAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET		VISIBILITY STATISTICALS															
		27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	59.0	63.5	64.7	65.2	65.6	65.7	65.8	65.9	65.9	66.0	66.1	66.1	66.1	66.2	66.2	66.3	
2000	64.8	70.3	71.0	72.2	72.7	72.7	72.9	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.3	73.4	
1800	65.0	70.6	71.9	72.5	72.9	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.6	73.7	
1600	65.5	71.0	72.3	73.0	73.4	73.5	73.7	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.1	74.2	
1400	66.8	72.5	73.8	74.5	74.9	75.0	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.6	75.7	
1200	68.7	74.5	75.9	76.6	77.0	77.1	77.3	77.4	77.4	77.5	77.6	77.6	77.6	77.7	77.7	77.8	
1000	70.4	76.4	77.8	78.5	79.0	79.1	79.2	79.3	79.3	79.4	79.5	79.5	79.5	79.6	79.6	79.7	
800	70.7	76.9	78.2	78.9	79.4	79.5	79.7	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.1	80.2	
600	72.0	78.2	79.6	80.3	80.8	80.9	81.1	81.1	81.2	81.3	81.3	81.3	81.4	81.4	81.5	81.6	
400	73.2	79.6	81.0	81.7	82.2	82.3	82.5	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.9	83.0	
200	74.4	81.0	82.5	83.3	83.8	83.9	84.1	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.5	84.6	
0	75.9	82.9	84.4	85.2	85.7	85.8	86.0	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.4	86.5	
4500	76.8	83.8	85.4	86.2	86.7	86.8	87.0	87.1	87.1	87.2	87.3	87.3	87.3	87.3	87.4	87.5	
4000	77.9	85.1	86.8	87.6	88.2	88.3	88.5	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.9	89.0	
3500	78.9	86.3	88.0	88.9	89.5	89.6	89.8	89.9	89.9	90.0	90.1	90.1	90.1	90.2	90.2	90.3	
3000	80.5	88.4	90.2	91.2	91.8	92.0	92.2	92.3	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.7	
2500	81.6	89.8	91.7	92.7	93.5	93.5	93.8	93.9	93.9	94.1	94.1	94.1	94.2	94.2	94.3	94.4	
2000	82.6	91.3	93.3	94.3	95.1	95.3	95.6	95.7	95.7	95.8	95.9	95.9	96.0	96.0	96.1	96.2	
1800	82.8	91.5	93.5	94.5	95.3	95.5	95.8	95.9	96.0	96.1	96.2	96.2	96.2	96.3	96.3	96.4	
1600	83.1	92.1	94.1	95.2	96.1	96.2	96.6	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.1	97.2	
1400	83.3	92.4	94.5	95.7	96.6	96.8	97.1	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.8	
1200	83.5	92.8	94.9	96.2	97.2	97.4	97.7	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.4	
1000	83.6	92.9	95.1	96.3	97.4	97.6	97.9	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.6	
800	83.6	93.1	95.3	96.5	97.6	97.9	98.3	98.4	98.4	98.6	98.7	98.7	98.8	98.8	98.9	98.9	
700	83.6	93.1	95.4	96.7	97.8	98.1	98.5	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.1	99.2	
600	83.6	93.2	95.5	96.8	98.0	98.2	98.7	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.4	
500	83.7	93.2	95.5	96.9	98.1	98.4	98.9	99.1	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.7	
400	83.7	93.2	95.6	96.9	98.1	98.4	98.9	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.7	
300	83.7	93.3	95.6	96.9	98.2	98.5	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.6	99.7	99.9	
200	83.7	93.3	95.6	96.9	98.2	98.5	99.0	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.8	99.9	
100	83.7	93.3	95.6	96.9	98.2	98.5	99.0	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.8	100.0	
0	83.7	93.3	95.6	96.9	98.2	98.5	99.0	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 24017

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024
NOCE 10	68.0	71.7	72.4	72.6	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2
IV 10000	74.4	78.7	79.4	79.7	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3
IV 8000	74.8	79.2	79.9	80.1	80.4	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	75.2	79.6	80.3	80.5	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	76.4	80.8	81.5	81.8	82.0	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
IV 3000	77.8	82.3	83.0	83.3	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9
IV 2000	78.9	83.6	84.3	84.6	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2
IV 1000	79.4	84.0	84.8	85.0	85.3	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7
IV 800	80.3	85.1	85.8	86.1	86.4	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 700	81.4	86.3	87.0	87.3	87.6	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0
IV 600	82.4	87.4	88.1	88.5	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
IV 500	83.7	88.8	89.6	89.9	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6
IV 400	84.4	89.7	90.5	90.9	91.2	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 350	85.5	91.0	91.9	92.2	92.6	92.6	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 300	86.4	92.1	93.0	93.4	93.7	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
IV 250	87.5	93.5	94.4	94.8	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6
IV 200	88.3	94.4	95.5	95.9	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
IV 150	88.9	95.2	96.3	96.7	97.2	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100	89.0	95.4	96.5	96.9	97.4	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 80	89.2	95.8	96.9	97.4	97.9	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 70	89.5	96.1	97.2	97.7	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 60	89.6	96.3	97.5	98.0	98.7	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 50	89.7	96.4	97.6	98.1	98.8	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 40	89.7	96.5	97.7	98.2	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
IV 30	89.7	96.6	97.8	98.3	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 20	89.8	96.6	97.8	98.4	99.2	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 10	89.8	96.6	97.9	98.5	99.3	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 5	89.8	96.7	97.9	98.5	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	89.8	96.7	97.9	98.5	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 23192

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO

40-72

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	10
NO CEILING	75.1	77.6	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 2000	81.0	83.8	84.0	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	81.2	84.0	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1600	81.6	84.4	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1400	82.7	85.6	85.9	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	84.3	87.2	87.5	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	85.6	88.4	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	85.9	88.8	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 600	86.7	89.6	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 400	87.3	90.3	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 300	88.2	91.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 200	89.0	92.1	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	89.7	92.8	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1400	90.7	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3500	91.2	94.5	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 3000	92.2	95.5	95.9	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2500	93.0	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	93.5	97.1	97.5	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	93.6	97.3	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1600	93.9	97.6	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1400	94.3	98.0	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	94.5	98.4	98.8	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	94.6	98.5	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	94.7	98.6	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	94.8	98.7	99.2	99.4	99.6	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	94.8	98.8	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	94.8	98.8	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.8	98.8	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.8	98.8	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.8	98.8	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 23994

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

23208 MCCLELLA, AFB CALIF/SACRAMENTO 40-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATISTICAL															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1000	85.5	87.6	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
900	89.5	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
800	89.8	92.0	92.1	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
700	89.9	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5
600	90.6	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
500	91.6	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
400	92.4	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
300	92.7	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4
200	93.3	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0
100	93.7	96.1	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
0	94.0	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1000	94.4	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
900	94.6	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
800	94.9	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
700	95.1	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
600	95.5	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
500	95.7	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
400	95.9	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
300	95.9	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
200	96.1	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
100	96.3	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	96.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	96.7	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	96.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	96.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 22968

23258

40-72

JUL

ALL

CE. NG
"EE"

122, 757-763

TOTAL NUMBER OF OBSERVATIONS

24151

CEILING VERSUS VISIBILITY

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ALL

TOTAL NUMBER OF OBSERVATIONS 24237

CEILING VERSUS VISIBILITY

43

ALL

[illegible]TOTAL NUMBER OF OBSERVATIONS 23453

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA AFB CALIF/SACRAMENTO 40-72

JCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATISTICS															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
NO CEILING	59.5	74.4	77.1	78.9	80.1	80.3	80.5	80.6	80.6	80.8	80.8	80.9	80.9	81.0	81.0	81.1
≥ 1000	62.4	73.3	81.1	83.0	84.3	84.5	84.8	84.9	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.4
IV 8000	62.6	78.5	81.4	83.3	84.7	84.9	85.1	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.7
IV 6000	63.0	77.0	81.7	83.8	85.2	85.4	85.6	85.8	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.2
IV 4000	63.9	80.1	83.0	84.7	86.3	86.5	86.8	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.4
IV 2000	65.1	81.6	84.0	86.5	88.0	88.2	88.4	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.9	89.0
IV 1000	66.2	82.9	85.9	88.0	89.4	89.6	89.9	90.0	90.0	90.2	90.2	90.2	90.3	90.3	90.3	90.5
IV 800	66.5	83.3	86.4	88.4	89.9	90.0	90.3	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.8	90.9
IV 600	67.0	84.0	87.1	89.2	90.7	90.9	91.2	91.3	91.3	91.5	91.5	91.5	91.6	91.6	91.6	91.8
IV 400	67.5	84.6	87.8	89.9	91.4	91.6	91.9	92.0	92.0	92.2	92.2	92.2	92.3	92.3	92.4	92.5
IV 200	68.0	85.3	88.5	90.6	92.1	92.3	92.5	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.1	93.3
IV 100	68.7	86.1	89.3	91.5	93.0	93.3	93.6	93.7	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.2
IV 80	69.0	86.6	89.3	91.9	93.5	93.7	94.0	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.5	94.6
IV 60	69.5	87.2	90.4	92.6	94.2	94.4	94.7	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.2	95.3
IV 40	69.9	87.6	90.4	93.1	94.7	94.9	95.2	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.9
IV 20	70.3	88.1	90.4	93.6	95.2	95.5	95.8	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.3	96.4
IV 10	70.7	88.6	91.4	94.2	95.8	96.1	96.4	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.9	97.0
IV 5	71.0	89.0	92.4	94.6	96.3	96.6	96.9	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.5
IV 2.5	71.0	89.1	92.5	94.7	96.4	96.7	97.0	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.5	97.7
IV 1.5	71.2	89.3	92.7	95.0	96.7	96.9	97.3	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.8	97.9
IV 1.0	71.3	89.4	92.8	95.1	96.8	97.1	97.5	97.7	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.2
IV 0.75	71.4	89.7	93.1	95.4	97.2	97.5	97.9	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.6
IV 0.5	71.5	89.8	93.2	95.5	97.3	97.6	98.0	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.6	98.7
IV 0.25	71.5	89.8	93.2	95.6	97.4	97.7	98.2	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.8	98.9
IV 0.15	71.5	89.9	93.3	95.7	97.5	97.8	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.9	99.0
IV 0.1	71.6	89.9	93.4	95.8	97.6	97.9	98.4	98.6	98.7	98.9	98.9	98.9	99.0	99.0	99.1	99.2
IV 0.075	71.6	89.9	93.4	95.8	97.7	98.0	98.5	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.3
IV 0.05	71.6	89.9	93.4	95.8	97.7	98.1	98.6	98.8	98.9	99.1	99.2	99.2	99.3	99.3	99.4	99.5
IV 0.025	71.6	89.9	93.4	95.8	97.7	98.1	98.6	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.5	99.7
IV 0.015	71.6	89.9	93.4	95.8	97.7	98.1	98.6	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.5	99.8
IV 0.01	71.6	89.9	93.4	95.8	97.7	98.1	98.6	98.9	98.9	99.2	99.3	99.3	99.4	99.5	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 24210

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 39-72

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 5	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.015	≥ 0.01	≥ 0.005	≥ 0.0025	≥ 0.0015
NO CEILING	36.2	51.7	55.8	59.0	61.9	62.5	63.7	64.4	64.4	65.1	65.4	65.5	65.8	65.8	66.2	66.9
≥ 2000	38.6	55.4	59.9	63.4	66.7	67.4	68.8	69.5	69.6	70.3	70.7	70.7	71.1	71.1	71.6	72.3
≥ 1500	38.7	55.8	60.1	63.7	67.0	67.7	69.1	69.8	70.0	70.7	71.0	71.1	71.4	71.4	71.9	72.6
≥ 1000	38.9	56.7	60.3	64.1	67.5	68.2	69.7	70.4	70.6	71.3	71.7	71.7	72.0	72.1	72.2	73.3
≥ 800	39.7	57.1	61.8	65.5	69.1	69.8	71.3	72.1	72.2	73.0	73.3	73.4	73.7	73.7	74.2	74.9
≥ 600	40.8	58.8	63.6	67.5	71.2	72.0	73.5	74.3	74.5	75.3	75.6	75.7	76.0	76.1	76.5	77.3
≥ 400	41.5	59.3	64.8	68.7	72.5	73.3	74.9	75.7	75.9	76.7	77.1	77.1	77.5	77.5	78.5	78.7
≥ 300	41.8	60.2	65.2	69.2	73.0	73.8	75.4	76.2	76.4	77.2	77.6	77.6	78.0	78.0	78.5	79.2
≥ 200	42.9	61.6	66.7	70.8	74.7	75.5	77.1	77.9	78.1	78.9	79.3	79.3	79.7	79.7	80.2	80.9
≥ 100	43.7	62.6	67.8	71.9	75.8	76.7	78.3	79.2	79.3	80.1	80.5	80.6	80.9	81.0	81.4	82.2
≥ 0	44.5	63.8	68.9	73.1	77.1	78.0	79.6	80.5	80.7	81.5	81.9	81.9	82.3	82.3	82.8	83.5
≥ 1500	45.4	65.2	70.4	74.7	78.8	79.7	81.4	82.3	82.5	83.3	83.7	83.7	84.1	84.1	84.6	85.3
≥ 1000	45.8	65.7	71.0	75.3	79.5	80.4	82.1	83.0	83.1	83.9	84.3	84.4	84.7	84.8	85.2	86.0
≥ 800	46.5	66.8	72.1	76.5	80.7	81.6	83.4	84.3	84.4	85.2	85.6	85.7	86.0	86.1	86.5	87.3
≥ 600	47.0	67.5	72.9	77.3	81.6	82.5	84.3	85.2	85.3	86.2	86.6	86.6	87.0	87.0	87.5	88.2
≥ 400	47.6	68.4	73.9	78.3	82.7	83.7	85.4	86.3	86.5	87.3	87.7	87.8	88.1	88.2	88.6	89.4
≥ 300	48.2	69.2	74.9	79.3	83.8	84.8	86.6	87.5	87.7	88.5	88.9	89.0	89.3	89.4	89.8	90.6
≥ 200	48.6	70.0	75.6	80.2	84.8	85.8	87.7	88.6	88.8	89.7	90.1	90.1	90.5	90.5	91.0	91.7
≥ 100	48.7	70.2	75.8	80.4	85.0	86.1	87.9	88.9	89.1	90.0	90.4	90.4	90.8	90.8	91.3	92.0
≥ 0	49.0	70.7	76.4	81.1	85.8	86.8	88.8	89.8	90.0	90.9	91.3	91.3	91.7	91.7	92.2	92.9
≥ 1500	49.2	71.1	76.8	81.6	86.4	87.5	89.4	90.5	90.7	91.6	92.0	92.0	92.4	92.4	92.9	93.6
≥ 1000	49.4	71.4	77.1	82.0	86.9	88.0	90.0	91.1	91.3	92.2	92.6	92.6	93.1	93.1	93.5	94.3
≥ 800	49.4	71.4	77.2	82.1	87.1	88.2	90.3	91.4	91.6	92.5	92.9	93.0	93.3	93.4	93.8	94.6
≥ 600	49.4	71.6	77.4	82.3	87.4	88.5	90.6	91.8	92.0	92.9	93.4	93.4	93.8	93.8	94.3	95.1
≥ 400	49.5	71.6	77.5	82.5	87.6	88.8	90.9	92.1	92.3	93.3	93.8	93.8	94.2	94.2	94.7	95.5
≥ 300	49.5	71.7	77.6	82.6	87.9	89.1	91.2	92.5	92.7	93.8	94.2	94.3	94.7	94.7	95.2	95.9
≥ 200	49.5	71.8	77.7	82.7	88.0	89.3	91.6	92.9	93.2	94.3	94.8	94.9	95.3	95.3	95.8	96.6
≥ 100	49.5	71.8	77.8	82.8	88.2	89.5	91.8	93.3	93.6	94.8	95.4	95.5	95.9	95.9	96.4	97.2
≥ 0	49.5	71.8	77.8	82.9	88.3	89.6	92.0	93.6	94.1	95.5	96.3	96.4	97.0	97.1	97.8	99.1
≥ 0	49.5	71.8	77.8	82.9	88.3	89.6	92.0	93.6	94.1	95.5	96.3	96.4	97.0	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 23650

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 30-72

DEL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STAT. MILES															
	≥ 0	≥ 0.25	≥ 0.5	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 12	≥ 15	≥ 20
NO CEILING	25.3	34.9	37.8	41.3	44.4	45.1	46.6	47.7	47.8	48.9	49.3	49.4	49.8	49.9	50.3	51.2
≥ 10000	27.2	37.7	40.9	44.7	48.1	48.8	50.5	51.7	51.9	52.9	53.4	53.5	53.9	54.1	54.5	55.5
IV 8000	27.4	37.8	41.0	44.9	48.3	49.0	50.7	51.7	52.1	53.2	53.6	53.7	54.2	54.3	54.7	55.7
IV 6000	27.5	38.1	41.3	45.2	48.6	49.3	51.1	52.3	52.5	53.6	54.0	54.1	54.6	54.7	55.1	56.1
IV 4000	27.9	38.6	41.9	45.9	49.5	50.3	52.1	53.3	53.5	54.6	55.1	55.2	55.6	55.8	56.2	57.2
IV 2000	28.4	39.4	42.8	46.9	50.7	51.5	53.4	54.6	54.8	55.9	56.4	56.5	57.0	57.1	57.5	58.5
IV 1000	29.1	40.4	43.9	48.1	52.0	52.8	54.8	56.0	56.3	57.4	57.7	57.9	58.4	58.5	59.0	60.0
IV 800	29.5	40.9	44.5	48.7	52.6	53.4	55.4	56.7	56.9	58.1	58.5	58.6	59.1	59.2	59.7	60.7
IV 600	30.1	41.8	45.5	49.7	53.8	54.7	56.7	58.0	58.2	59.4	59.9	60.0	60.5	60.6	61.1	62.0
IV 400	30.7	42.6	46.4	50.7	54.8	55.7	57.8	59.1	59.3	60.5	61.0	61.1	61.6	61.7	62.2	63.1
IV 300	31.4	43.7	47.6	52.0	56.2	57.1	59.3	60.6	60.9	62.1	62.6	62.6	63.1	63.3	63.7	64.7
IV 200	32.4	45.1	49.1	53.6	58.0	58.9	61.1	62.5	62.8	64.0	64.5	64.6	65.1	65.2	65.7	66.7
IV 150	33.0	45.9	50.0	54.6	59.0	60.0	62.2	63.6	63.9	65.1	65.6	65.7	66.2	66.3	66.8	67.7
IV 100	33.7	47.0	51.2	55.9	60.4	61.4	63.7	65.1	65.4	66.6	67.1	67.2	67.7	67.8	68.3	69.3
IV 75	34.3	47.8	52.1	56.9	61.4	62.4	64.8	66.2	66.5	67.7	68.3	68.3	68.8	69.0	69.4	70.4
IV 50	35.1	49.1	53.5	58.3	63.0	64.1	66.5	68.0	68.3	69.6	70.1	70.2	70.7	70.8	71.3	72.3
IV 25	35.7	50.1	54.6	59.5	64.4	65.4	67.9	69.5	69.8	71.1	71.6	71.7	72.2	72.4	72.8	73.8
IV 15	36.3	51.2	55.8	60.9	65.9	67.1	69.7	71.3	71.7	73.0	73.6	73.6	74.2	74.3	74.8	75.7
IV 10	36.5	51.5	56.2	61.3	66.4	67.6	70.3	71.9	72.2	73.6	74.2	74.2	74.8	74.9	75.4	76.4
IV 7.5	36.9	52.4	57.2	62.4	67.7	69.0	71.7	73.4	73.8	75.2	75.7	75.8	76.3	76.5	77.0	77.9
IV 5	37.2	53.2	58.2	63.6	69.2	70.5	73.3	75.1	75.5	76.9	77.5	77.6	78.1	78.3	78.8	79.7
IV 3	37.4	53.8	58.9	64.6	70.6	71.9	74.9	76.8	77.2	78.7	79.4	79.4	80.0	80.1	80.6	81.6
IV 2	37.4	54.0	59.2	65.0	71.1	72.5	75.6	77.6	78.0	79.6	80.2	80.3	80.8	81.0	81.5	82.5
IV 1.5	37.5	54.2	59.4	65.4	71.7	73.2	76.5	78.7	79.1	80.7	81.4	81.4	82.0	82.1	82.6	83.6
IV 1	37.6	54.3	59.6	65.7	72.3	73.9	77.4	79.7	80.1	81.8	82.4	82.5	83.1	83.3	83.8	84.8
IV 0.75	37.6	54.4	59.8	66.0	73.0	74.6	78.3	80.9	81.4	83.2	83.9	83.9	84.5	84.7	85.2	86.2
IV 0.5	37.6	54.5	59.9	66.2	73.5	75.2	79.3	82.1	82.8	84.8	85.6	85.7	86.3	86.5	87.0	88.0
IV 0.25	37.6	54.6	60.0	66.3	73.9	75.7	80.0	83.2	84.1	86.3	87.2	87.3	88.1	88.3	88.9	90.0
IV 0.15	37.6	54.6	60.0	66.3	74.1	76.0	80.5	84.0	85.0	87.6	88.8	89.0	89.9	90.2	90.9	92.1
IV 0.1	37.7	54.6	60.1	66.4	74.2	76.2	80.7	84.4	85.5	88.5	90.1	90.4	91.7	92.2	93.3	95.0
IV 0.05	37.7	54.6	60.1	66.4	74.2	76.2	80.8	84.4	85.6	88.6	90.3	90.6	92.1	92.8	94.2	97.1
IV 0	37.7	54.6	60.1	66.4	74.2	76.2	80.8	84.4	85.6	88.6	90.3	90.6	92.2	92.8	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 24489

DATA PROCESSING BR ICH
USAF ETAC
AIR WEATHER SERV. /MAC

CEILING VERSUS VISIBILITY

232CB MCCLELLAN AFB CALIF/SACRAMENTO 42-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATISTICAL															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
NO CEILING	31.5	41.9	45.9	48.0	51.0	52.4	54.0	55.2	55.2	56.1	56.5	56.5	56.8	57.0	57.5	59.0
IV 17000	32.4	43.4	47.5	49.8	53.5	54.2	55.9	57.1	57.2	58.2	58.6	58.6	58.9	59.1	59.6	61.2
IV 8000	32.6	43.0	47.7	50.0	53.7	54.5	56.1	57.3	57.4	58.4	58.8	58.8	59.2	59.4	59.8	61.5
IV 6000	32.7	43.8	47.9	50.2	53.9	54.7	56.3	57.5	57.6	58.6	59.0	59.0	59.4	59.5	60.0	61.6
IV 4000	33.4	44.8	48.9	51.2	54.9	55.7	57.3	58.5	58.6	59.6	60.0	60.0	60.4	60.5	61.0	62.6
IV 3000	34.2	46.0	50.1	52.6	56.3	57.1	58.7	59.9	60.0	61.0	61.4	61.4	61.7	61.9	62.4	64.0
IV 2000	35.2	47.0	51.2	53.8	57.6	58.4	60.0	61.2	61.3	62.4	62.7	62.7	63.1	63.3	63.8	65.4
IV 1000	35.4	47.2	51.4	54.0	57.8	58.6	60.3	61.5	61.6	62.6	63.0	63.0	63.3	63.5	64.0	65.6
IV 8000	35.8	47.8	51.9	54.7	58.6	59.5	61.1	62.3	62.4	63.4	63.8	63.8	64.2	64.4	64.8	66.4
IV 7000	36.6	48.8	53.0	55.9	59.8	60.6	62.3	63.5	63.6	64.6	65.0	65.0	65.4	65.5	66.0	67.6
IV 6000	38.1	50.6	54.9	57.9	61.9	62.7	64.4	65.7	65.8	66.8	67.2	67.2	67.6	67.7	68.2	69.8
IV 5000	39.1	52.3	56.7	59.8	64.0	64.8	66.6	67.9	68.0	69.0	69.4	69.4	69.8	69.9	70.4	72.0
IV 4500	40.1	53.6	58.1	61.3	65.5	66.3	68.1	69.4	69.6	70.6	70.9	70.9	71.3	71.5	72.0	73.6
IV 4000	40.6	54.6	59.1	62.5	66.7	67.5	69.2	70.6	70.7	71.8	72.2	72.2	72.5	72.7	73.2	74.8
IV 3500	41.1	55.2	59.8	63.2	67.5	68.3	70.1	71.4	71.6	72.7	73.0	73.0	73.4	73.6	74.1	75.7
IV 3000	41.8	56.5	61.2	64.7	68.9	69.8	71.6	73.0	73.1	74.2	74.6	74.6	74.9	75.1	75.6	77.2
IV 2500	42.4	57.7	62.5	66.1	70.5	71.4	73.3	74.6	74.8	75.8	76.2	76.2	76.6	76.7	77.2	78.8
IV 2000	42.8	58.5	63.3	67.2	71.6	72.5	74.6	76.0	76.1	77.2	77.6	77.6	78.0	78.1	78.6	80.2
IV 1800	42.9	58.7	63.5	67.4	71.9	72.9	74.9	76.3	76.4	77.5	77.9	77.9	78.2	78.4	78.9	80.5
IV 1700	43.3	59.3	64.2	68.2	72.8	73.7	75.7	77.1	77.3	78.4	78.8	78.8	79.2	79.3	79.8	81.4
IV 1600	43.4	59.7	64.6	68.6	73.4	74.3	76.4	77.8	78.0	79.1	79.5	79.5	79.9	80.0	80.5	82.1
IV 1500	43.5	59.9	65.1	69.1	74.1	75.0	77.1	78.6	78.7	79.9	80.3	80.3	80.6	80.8	81.3	82.9
IV 1400	43.5	60.0	65.2	69.3	74.3	75.4	77.5	79.1	79.2	80.4	80.8	80.8	81.2	81.4	81.8	83.4
IV 1300	43.6	60.1	65.5	69.7	75.1	76.1	78.3	79.8	80.0	81.2	81.7	81.7	82.1	82.2	82.7	84.3
IV 1200	43.7	60.2	65.6	70.0	75.5	76.6	78.7	80.2	80.4	81.7	82.1	82.1	82.5	82.7	83.2	84.8
IV 1100	43.7	60.3	65.9	70.4	76.1	77.2	79.5	81.0	81.2	82.5	83.0	83.0	83.3	83.5	84.0	85.6
IV 1000	43.9	60.6	66.2	70.7	76.6	77.8	80.0	81.7	81.9	83.3	83.8	83.8	84.1	84.3	84.8	86.5
IV 900	43.9	60.7	66.3	70.9	76.9	78.1	80.5	82.4	82.7	84.1	84.6	84.6	85.2	85.4	85.9	87.6
IV 800	43.9	60.8	66.4	71.2	77.3	78.8	81.3	83.4	83.9	85.5	86.1	86.2	86.9	87.2	87.9	89.7
IV 700	43.9	60.9	66.6	71.4	77.7	79.1	81.7	83.9	84.4	86.3	87.5	87.7	88.7	89.1	90.3	92.7
IV 600	43.9	60.9	66.6	71.4	77.7	79.1	81.7	83.9	84.5	86.5	87.6	87.9	89.0	89.9	91.7	94.1
IV 500	43.9	60.9	66.6	71.4	77.7	79.1	81.7	83.9	84.5	86.5	87.6	87.9	89.1	90.0	92.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2864

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16	≥ 17	≥ 18	≥ 19	≥ 20	≥ 21	≥ 22	≥ 23	≥ 24	≥ 25	≥ 26	≥ 27	≥ 28	≥ 29	≥ 30	
NO. OF INCHES	29.6	40.0	43.0	45.2	48.4	49.0	50.6	50.9	51.1	51.5	52.3	52.3	52.9	53.1	53.7	55.9															
IN 10000	30.7	41.6	44.9	47.3	50.5	51.2	52.8	53.1	53.2	53.8	54.4	54.5	55.1	55.3	55.8	58.1															
IN 8000	30.7	41.9	45.0	47.4	50.7	51.4	52.9	53.3	53.4	54.0	54.6	54.6	55.2	55.5	56.0	58.3															
IN 6000	30.9	42.1	45.2	47.6	50.9	51.6	53.1	53.5	53.6	54.2	54.8	54.9	55.4	55.7	56.2	58.5															
IN 4000	31.3	42.7	45.8	48.2	51.6	52.3	53.8	54.2	54.3	54.9	55.5	55.5	56.1	56.4	56.9	59.2															
IN 2000	31.9	43.6	46.6	49.3	52.7	53.3	54.9	55.2	55.4	55.9	56.6	56.6	57.2	57.5	58.0	60.3															
IN 1000	32.7	44.7	47.9	50.4	53.9	54.5	56.1	56.4	56.6	57.2	57.8	57.9	58.4	58.7	59.2	61.5															
IN 800	32.9	45.1	48.3	50.8	54.2	54.9	56.5	56.8	56.5	57.6	58.2	58.2	58.8	59.1	59.6	61.9															
IN 600	33.7	45.8	49.0	51.6	55.2	55.9	57.4	57.8	57.9	58.5	59.2	59.2	59.8	60.0	60.6	62.5															
IN 400	34.6	46.9	50.2	52.7	56.4	57.1	58.7	59.1	59.2	59.8	60.2	60.5	61.1	61.4	61.9	64.2															
IN 200	35.8	48.5	51.8	54.3	58.1	58.9	60.5	60.9	61.0	61.7	62.3	62.4	63.0	63.2	63.7	66.0															
IN 100	36.8	50.1	53.7	56.4	60.2	61.0	62.6	63.1	63.2	63.8	64.3	64.3	65.1	65.4	65.9	68.2															
IN 80	37.7	51.3	55.0	57.8	61.6	62.4	63.9	64.4	64.6	65.2	65.9	65.9	66.5	66.8	67.3	69.6															
IN 60	38.1	52.4	56.4	59.3	63.1	63.9	65.6	66.0	66.2	66.8	67.5	67.5	68.1	68.4	68.9	71.2															
IN 40	39.0	53.8	57.8	60.8	64.6	65.4	67.1	67.6	67.7	68.4	69.0	69.1	69.7	70.0	70.5	72.8															
IN 20	39.7	55.0	59.2	62.4	66.3	67.1	68.8	69.3	69.4	70.1	70.7	70.7	71.4	71.7	72.2	74.5															
IN 10	40.4	56.3	60.5	63.7	67.7	68.6	70.3	70.8	71.0	71.6	72.3	72.3	73.0	73.2	73.8	76.1															
IN 8	40.7	56.9	61.3	64.9	69.0	69.9	71.7	72.2	72.4	73.0	73.7	73.8	74.4	74.7	75.2	77.5															
IN 6	40.7	57.1	61.6	65.2	69.3	70.3	72.0	72.7	72.8	73.4	74.1	74.2	74.8	75.1	75.6	78.0															
IN 4	40.8	57.5	62.0	65.7	69.9	70.8	72.6	73.3	73.4	74.1	74.8	74.8	75.5	75.8	76.3	78.6															
IN 2	41.0	58.1	62.6	66.4	70.8	71.8	73.6	74.3	74.5	75.2	75.8	75.9	76.5	76.8	77.3	79.7															
IN 1	41.0	58.4	63.1	66.9	71.5	72.4	74.3	75.2	75.3	76.0	76.7	76.7	77.3	77.6	78.2	80.5															
IN 800	41.1	58.7	63.6	67.5	72.1	73.1	75.1	75.9	76.1	76.8	77.5	77.5	78.2	78.4	79.0	81.3															
IN 600	41.1	58.8	63.8	67.9	72.6	73.6	75.6	76.5	76.7	77.4	78.1	78.1	78.8	79.0	79.6	82.0															
IN 400	41.1	58.9	63.9	68.0	72.9	73.9	75.9	76.8	77.0	77.7	78.4	78.4	79.1	79.4	79.9	82.3															
IN 200	41.2	59.1	64.1	68.4	73.6	74.6	76.6	77.6	77.9	78.6	79.3	79.3	80.0	80.2	80.8	83.2															
IN 100	41.3	59.4	64.6	68.9	74.4	75.4	77.5	78.6	78.8	79.5	80.2	80.3	80.9	81.2	81.8	84.1															
IN 80	41.3	59.5	64.8	69.2	74.9	75.9	78.2	79.4	79.6	80.6	81.4	81.4	82.1	82.4	82.9	85.3															
IN 60	41.3	59.6	64.9	69.5	75.3	76.3	78.9	80.3	80.6	82.0	82.9	83.0	83.9	84.4	85.2	87.8															
IN 40	41.3	59.6	64.9	69.5	75.3	76.3	79.0	80.5	81.0	82.7	84.2	84.3	85.7	86.5	87.5	90.8															
IN 20	41.3	59.6	64.9	69.5	75.4	76.4	79.1	80.6	81.1	83.0	84.6	84.7	86.4	87.5	89.4	95.2															
IN 10	41.3	59.6	64.9	69.5	75.4	76.4	79.1	80.6	81.1	83.0	84.6	84.7	86.5	87.6	89.8	100.0															

TOTAL NUMBER OF OBSERVATIONS 2926

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

2320R MCCLELLAN AFB CALIF/SACRAMENTO 40-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900

CEILING		VISIBILITY															
FEET		25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
10000	25000	25.3	32.3	34.7	36.7	40.4	41.0	43.0	44.5	44.7	45.7	46.3	46.4	47.6	47.9	48.6	50.8
	10000	27.0	34.4	37.0	39.2	43.2	43.8	45.9	47.3	47.6	48.7	49.3	49.3	50.6	51.0	51.8	54.1
8000	25000	27.1	34.5	37.2	39.4	43.4	44.1	46.1	47.6	47.9	49.0	49.5	49.7	51.0	51.3	52.2	54.5
	8000	27.4	34.6	37.5	39.8	43.8	44.6	46.6	48.1	48.4	49.5	50.1	50.2	51.5	51.8	52.6	55.0
6000	25000	26.0	35.6	38.4	40.9	45.0	45.7	47.8	49.3	49.6	50.7	51.3	51.4	52.7	53.0	53.9	56.2
	6000	28.6	36.7	39.5	42.0	46.2	47.0	49.1	50.7	51.0	52.1	52.7	52.7	54.0	54.4	55.2	57.5
4000	25000	29.2	37.5	40.5	43.1	47.4	48.1	50.5	52.1	52.4	53.5	54.1	54.2	55.5	55.8	56.7	59.0
	4000	29.4	37.8	40.8	43.4	47.7	48.5	50.8	52.4	52.7	53.8	54.5	54.5	55.9	56.2	57.0	59.4
2000	25000	30.3	39.0	42.1	44.7	49.0	49.8	52.2	53.8	54.1	55.2	55.9	55.9	57.2	57.6	58.4	60.8
	2000	31.1	39.9	43.0	45.7	50.0	50.8	53.2	54.9	55.3	56.4	57.0	57.0	58.4	58.7	59.6	61.9
1000	25000	32.2	41.3	44.4	47.1	51.7	52.5	55.0	56.7	57.0	58.2	58.8	58.9	60.2	60.6	61.4	63.8
	1000	33.1	42.9	46.1	48.9	53.6	54.5	57.0	58.7	59.1	60.3	60.9	61.0	62.3	62.6	63.5	65.9
500	25000	33.9	44.0	47.2	50.2	54.9	55.8	58.2	60.1	60.4	61.6	62.2	62.3	63.6	64.0	64.8	67.2
	500	34.3	45.0	48.2	51.2	56.0	56.9	59.5	61.3	61.6	62.8	63.6	63.7	65.0	65.3	66.2	68.6
300	25000	34.9	45.9	49.1	52.2	57.1	57.9	60.6	62.4	62.8	64.0	64.8	64.9	66.3	66.6	67.5	69.9
	300	35.5	47.1	50.6	53.8	58.7	59.7	62.4	64.3	64.7	65.9	66.6	66.8	68.2	68.5	69.4	71.8
200	25000	36.1	48.1	51.8	55.0	60.0	61.1	63.8	65.8	66.1	67.4	68.1	68.3	69.7	70.0	70.9	73.3
	200	36.4	49.0	52.8	56.3	61.5	62.5	65.6	67.5	67.9	69.2	70.0	70.1	71.6	71.9	72.8	75.2
100	25000	36.5	49.4	53.2	56.7	62.0	63.1	66.1	68.1	68.5	69.8	70.6	70.7	72.2	72.6	73.4	75.8
	100	36.6	49.8	53.8	57.4	62.8	64.0	67.0	69.0	69.4	70.6	71.5	71.6	73.2	73.5	74.4	76.8
50	25000	36.9	50.3	54.4	58.1	63.6	64.9	68.1	70.1	70.5	71.8	72.7	72.8	74.4	74.7	75.6	78.0
	50	36.9	50.5	54.6	58.4	64.0	65.3	68.7	70.7	71.1	72.5	73.3	73.5	75.0	75.4	76.2	78.7
20	25000	37.0	50.8	55.1	58.9	64.6	65.9	69.3	71.4	71.8	73.2	74.0	74.2	75.7	76.1	76.9	79.4
	20	37.1	51.0	55.3	59.3	65.2	66.6	70.0	72.1	72.6	74.0	75.0	75.1	76.6	77.0	77.9	80.3
10	25000	37.1	51.2	55.5	59.6	65.7	67.1	70.6	72.8	73.2	74.7	75.6	75.7	77.3	77.6	78.5	80.9
	10	37.2	51.4	55.7	59.9	66.2	67.7	71.4	73.7	74.1	75.6	76.6	76.8	78.3	78.7	79.5	81.9
5	25000	37.2	51.4	55.9	60.2	66.6	68.2	71.9	74.4	74.9	76.6	77.7	77.9	79.4	79.8	80.6	83.1
	5	37.2	51.5	56.0	60.5	67.0	68.8	72.7	75.5	76.2	78.2	79.5	79.6	81.4	81.8	82.8	85.2
1	25000	37.2	51.6	56.1	60.6	67.3	69.3	73.3	76.3	77.2	79.6	81.2	81.4	83.4	84.1	85.3	88.2
	1	37.2	51.6	56.1	60.7	67.4	69.3	73.5	76.6	77.5	80.2	82.1	82.5	85.1	86.0	88.1	91.4
0	25000	37.2	51.6	56.1	60.7	67.4	69.3	73.5	76.6	77.5	80.3	82.3	82.7	85.5	86.7	89.5	95.7
	0	37.2	51.6	56.1	60.7	67.4	69.3	73.5	76.6	77.5	80.3	82.4	82.7	85.6	86.9	89.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3022

CEILING VERSUS VISIBILITY

JAN

0900-1100

TOTAL NUMBER OF OBSERVATIONS 3044

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTES MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
IN 1000	29.6	37.5	40.0	42.9	45.2	46.3	48.2	49.3	49.5	50.3	50.6	50.7	50.7	50.8	50.9	50.9
IN 800	33.5	42.7	45.5	48.7	51.4	52.5	54.5	55.8	56.0	56.8	57.1	57.2	57.3	57.4	57.4	57.5
IN 600	33.7	43.0	45.9	49.1	51.8	52.9	55.0	56.2	56.4	57.3	57.6	57.7	57.7	57.8	57.9	57.9
IN 400	34.2	43.5	46.4	49.6	52.3	53.4	55.5	56.8	57.0	57.8	58.1	58.2	58.3	58.3	58.4	58.5
IN 200	35.5	45.2	48.2	51.5	54.2	55.3	57.5	58.8	59.0	59.8	60.2	60.3	60.3	60.4	60.4	60.5
IN 100	36.1	45.9	49.2	52.6	55.3	56.5	58.6	60.0	60.2	61.0	61.3	61.4	61.5	61.6	61.6	61.7
IN 50	36.8	47.3	50.6	54.1	57.0	58.1	60.3	61.7	61.9	62.8	63.1	63.2	63.2	63.3	63.4	63.4
IN 0	37.2	47.7	51.2	54.7	57.6	58.7	60.9	62.3	62.6	63.4	63.7	63.8	63.9	63.9	64.0	64.1
IN 3000	37.6	48.4	52.0	55.6	58.7	59.9	62.1	63.5	63.8	64.6	64.9	65.0	65.1	65.2	65.2	65.3
IN 2500	38.2	49.2	52.8	56.6	59.7	60.9	63.1	64.6	64.8	65.6	65.9	66.0	66.1	66.2	66.2	66.3
IN 2000	39.0	50.2	54.0	57.8	61.0	62.2	64.5	65.9	66.1	66.9	67.3	67.4	67.4	67.5	67.6	67.6
IN 1500	40.3	52.0	55.8	59.6	63.1	64.3	66.6	68.0	68.3	69.1	69.4	69.5	69.6	69.7	69.7	69.8
IN 1000	40.7	52.6	56.6	60.4	63.9	65.2	67.6	69.0	69.2	70.1	70.4	70.5	70.5	70.6	70.7	70.7
IN 800	41.7	53.7	57.8	61.7	65.2	66.4	68.8	70.3	70.5	71.3	71.6	71.7	71.8	71.9	71.9	72.0
IN 600	42.3	54.4	58.6	62.6	66.2	67.5	69.8	71.4	71.6	72.4	72.8	72.9	72.9	73.0	73.1	73.1
IN 400	43.0	55.4	59.7	64.0	67.8	69.1	71.6	73.2	73.4	74.3	74.6	74.7	74.8	74.9	74.9	75.0
IN 2500	44.0	56.8	61.1	65.5	69.4	70.7	73.4	75.0	75.3	76.1	76.4	76.5	76.6	76.7	76.7	76.8
IN 2000	44.9	58.2	62.8	67.4	71.4	72.7	75.5	77.3	77.5	78.4	78.7	78.8	78.9	78.9	79.0	79.1
IN 1500	45.1	58.4	63.0	67.8	71.8	73.1	75.9	77.7	78.0	78.8	79.2	79.3	79.3	79.4	79.5	79.5
IN 1000	45.6	59.1	63.9	68.7	73.1	74.5	77.4	79.2	79.5	80.4	80.7	80.8	80.8	80.9	81.0	81.0
IN 800	46.0	59.8	64.6	69.8	74.6	76.0	79.0	80.9	81.2	82.1	82.4	82.5	82.6	82.6	82.7	82.8
IN 600	46.2	60.4	65.4	70.8	76.0	77.7	80.8	83.0	83.2	84.2	84.5	84.6	84.7	84.7	84.8	84.9
IN 400	46.3	60.7	65.7	71.3	76.7	78.6	81.8	84.1	84.3	85.4	85.7	85.8	85.9	85.9	86.0	86.0
IN 2500	46.5	61.0	66.2	72.0	77.8	79.7	83.0	85.5	85.8	86.9	87.2	87.4	87.5	87.5	87.6	87.7
IN 2000	46.5	61.1	66.6	72.7	79.0	81.3	85.1	88.1	88.5	89.8	90.3	90.4	90.6	90.6	90.7	90.8
IN 1500	46.6	61.2	66.7	72.9	79.7	82.4	86.9	90.2	90.8	92.4	93.0	93.1	93.3	93.4	93.5	93.6
IN 1000	46.6	61.2	66.8	73.0	79.9	82.9	87.8	91.2	91.9	93.9	94.8	95.0	95.1	95.2	95.4	95.5
IN 800	46.6	61.2	66.8	73.0	79.9	83.0	88.2	91.9	92.8	95.3	96.6	96.9	97.2	97.3	97.7	97.9
IN 600	46.6	61.2	66.8	73.0	79.9	83.0	88.2	91.9	92.9	95.5	97.1	97.5	98.1	98.6	99.0	99.3
IN 400	46.6	61.2	66.8	73.0	79.9	83.0	88.2	91.9	92.9	95.5	97.2	97.6	98.3	98.7	99.3	99.9
IN 200	46.6	61.2	66.8	73.0	79.9	83.0	88.2	91.9	92.9	95.5	97.2	97.6	98.3	98.7	99.3	99.9
IN 0	46.6	61.2	66.8	73.0	79.9	83.0	88.2	91.9	92.9	95.5	97.2	97.6	98.3	98.7	99.3	99.9

TOTAL NUMBER OF OBSERVATIONS 3039

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEILING	31.4	39.9	42.9	45.4	48.2	49.4	51.7	52.5	52.6	53.5	53.8	53.8	53.8	53.8	53.8	53.9
1000	35.7	45.5	49.0	51.5	54.7	56.1	58.5	59.4	59.0	60.4	60.0	60.8	60.9	60.9	60.9	60.9
800	35.9	45.5	49.3	51.9	55.1	56.4	58.8	59.8	59.9	60.8	61.2	61.2	61.2	61.2	61.2	61.3
600	36.1	46.1	49.6	52.2	55.5	56.8	59.3	60.2	60.4	61.2	61.0	61.6	61.7	61.7	61.7	61.7
400	37.2	47.7	51.2	53.9	57.2	58.5	61.0	62.0	62.2	63.1	62.4	63.4	63.5	63.5	63.5	63.6
200	38.0	48.6	52.4	55.2	58.6	60.0	62.5	63.6	63.7	64.6	65.0	65.0	65.0	65.0	65.0	65.1
100	38.6	49.5	53.5	56.3	59.8	61.2	63.8	64.9	65.0	65.9	66.2	66.2	66.3	66.3	66.3	66.4
800	38.8	49.8	53.6	56.5	60.0	61.3	63.9	65.0	65.2	66.0	66.4	66.4	66.5	66.5	66.5	66.6
600	40.3	51.6	55.6	58.5	62.3	63.7	66.3	67.4	67.6	68.4	68.8	68.8	68.9	68.9	68.9	69.0
400	41.3	52.9	57.0	60.0	63.8	65.2	67.9	69.0	69.2	70.0	70.4	70.4	70.5	70.5	70.5	70.6
200	42.2	54.3	58.4	61.6	65.4	66.9	69.5	70.7	70.8	71.7	72.1	72.1	72.2	72.2	72.2	72.3
100	43.4	56.0	60.3	63.6	67.5	69.0	71.7	72.9	73.0	73.9	74.2	74.2	74.3	74.3	74.3	74.4
800	44.2	56.9	61.3	64.8	68.7	70.2	73.0	74.1	74.3	75.2	75.5	75.5	75.6	75.6	75.6	75.7
600	45.1	57.9	62.3	65.8	69.8	71.4	74.1	75.4	75.5	76.4	76.8	76.8	76.9	76.9	76.9	77.0
400	45.9	58.9	63.4	67.0	71.0	72.6	75.4	76.8	76.9	77.8	78.2	78.2	78.3	78.3	78.3	78.4
200	46.7	60.0	64.7	68.3	72.6	74.2	77.2	78.6	78.7	79.6	80.0	80.0	80.1	80.1	80.1	80.2
100	47.5	61.3	66.0	70.0	74.4	76.0	79.1	80.5	80.6	81.5	81.9	81.9	82.0	82.0	82.0	82.1
800	48.4	62.9	67.8	72.1	76.7	78.4	81.6	83.0	83.2	84.2	84.6	84.6	84.7	84.7	84.7	84.8
600	48.5	63.2	68.1	72.4	77.1	78.9	82.1	83.5	83.7	84.6	85.0	85.0	85.1	85.1	85.1	85.2
400	48.7	63.5	68.5	73.2	78.1	80.0	83.3	84.8	84.9	85.9	86.3	86.3	86.4	86.4	86.4	86.5
200	49.2	64.1	69.2	74.0	79.0	81.0	84.4	86.0	86.2	87.2	87.6	87.6	87.7	87.7	87.7	87.8
100	49.3	64.4	69.7	74.7	80.1	82.2	85.9	87.6	87.8	88.8	89.2	89.2	89.3	89.3	89.3	89.4
800	49.3	64.5	69.8	74.8	80.3	82.5	86.3	88.0	88.2	89.2	89.7	89.7	89.8	89.8	89.8	89.9
600	49.3	64.5	69.9	75.0	81.0	83.4	87.4	89.4	89.7	90.9	91.4	91.4	91.5	91.5	91.5	91.6
400	49.3	64.5	69.9	75.1	81.3	83.9	88.1	90.4	90.7	92.0	92.6	92.6	92.7	92.7	92.7	92.8
200	49.3	64.6	70.1	75.3	81.8	84.7	89.1	91.7	92.0	93.3	93.3	93.9	94.0	94.0	94.0	94.1
100	49.3	64.7	70.2	75.5	82.2	85.3	89.9	92.8	93.2	94.6	95.0	95.6	95.8	95.8	95.8	95.9
800	49.3	64.7	70.2	75.6	82.4	85.7	90.4	93.7	94.3	96.3	97.2	97.3	97.5	97.6	97.6	97.7
600	49.3	64.7	70.2	75.6	82.4	85.7	90.6	93.9	94.6	96.8	98.2	98.2	98.5	98.6	98.6	98.7
400	49.3	64.7	70.2	75.6	82.4	85.8	90.6	94.0	94.7	96.9	98.4	98.4	99.0	99.1	99.2	99.5
200	49.3	64.7	70.2	75.6	82.4	85.8	90.6	94.0	94.7	96.9	98.5	98.5	99.1	99.3	99.5	99.9
100	49.3	64.7	70.2	75.6	82.4	85.8	90.6	94.0	94.7	96.9	98.5	98.5	99.1	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

3013

USAF ETAC

FORM
AE 64

0-14-5 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10
NO CEILING	36.7	46.0	49.1	51.6	54.5	55.6	57.1	57.8	57.9	58.7	59.1	59.1	59.2	59.2	59.4	59.7
1000	38.5	48.4	51.6	54.3	57.3	58.4	60.0	60.7	60.7	61.6	62.0	62.0	62.1	62.1	62.4	62.6
900	38.8	48.8	52.0	54.7	57.7	58.8	60.3	61.0	61.1	62.0	62.4	62.4	62.5	62.5	62.7	63.0
800	39.0	49.1	52.3	55.1	58.1	59.2	60.7	61.4	61.5	62.4	62.8	62.8	62.9	62.9	63.1	63.4
700	39.4	49.8	53.2	56.0	59.0	60.2	61.8	62.5	62.6	63.4	63.9	63.9	64.0	64.0	64.2	64.5
600	40.3	51.3	54.8	57.6	60.8	62.0	63.5	64.3	64.3	65.2	65.6	65.6	65.8	65.8	66.0	66.3
500	41.3	52.5	56.2	59.0	62.4	63.7	65.3	66.0	66.1	66.9	67.4	67.4	67.5	67.5	67.7	68.0
400	41.6	53.0	56.6	59.3	62.8	64.1	65.7	66.4	66.5	67.3	67.8	67.8	67.9	67.9	68.1	68.4
300	42.2	53.9	57.6	60.4	63.9	65.2	66.3	67.6	67.7	68.6	69.0	69.0	69.2	69.2	69.4	69.6
200	43.7	55.7	59.6	62.6	66.3	67.6	69.2	70.0	70.1	71.0	71.4	71.4	71.6	71.6	71.8	72.0
100	44.6	56.9	60.9	64.0	67.7	69.0	70.6	71.5	71.5	72.4	72.9	72.9	73.0	73.0	73.2	73.5
0	45.8	58.4	62.6	65.8	69.5	70.8	72.5	73.3	73.4	74.3	74.7	74.7	74.9	74.9	75.1	75.4
900	46.7	59.0	63.8	67.1	70.9	72.2	73.9	74.7	74.8	75.7	76.1	76.1	76.3	76.3	76.5	76.8
800	47.6	60.9	65.1	68.6	72.5	73.8	75.5	76.3	76.4	77.3	77.7	77.7	77.9	77.9	78.1	78.4
700	48.2	61.9	66.2	69.6	72.7	75.0	76.7	77.5	77.6	78.5	78.9	78.9	79.1	79.1	79.3	79.6
600	48.9	63.1	67.5	71.1	75.2	76.5	78.2	79.0	79.1	80.0	80.4	80.4	80.6	80.6	80.8	81.1
500	49.7	64.2	68.7	72.4	76.5	77.9	79.7	80.6	80.6	81.5	82.0	82.0	82.1	82.1	82.4	82.6
400	50.4	65.3	70.0	73.8	78.1	79.5	81.5	82.4	82.5	83.4	83.8	83.8	84.0	84.0	84.2	84.5
300	50.6	65.6	70.5	74.3	78.6	80.1	82.1	83.0	83.1	84.0	84.5	84.5	84.6	84.6	84.9	85.1
200	50.8	66.1	71.0	74.9	79.5	81.0	83.1	84.0	84.1	85.1	85.5	85.5	85.7	85.7	85.9	86.2
100	51.2	66.8	71.7	75.7	80.5	82.0	84.3	85.2	85.3	86.3	86.7	86.7	86.9	86.9	87.1	87.4
0	51.2	67.0	72.1	76.2	81.1	82.8	85.2	86.2	86.2	87.3	87.7	87.7	87.9	87.9	88.1	88.4
900	51.3	67.2	72.4	76.5	81.6	83.5	86.0	87.0	87.1	88.1	88.6	88.6	88.7	88.7	88.9	89.2
800	51.3	67.5	72.7	76.9	82.2	84.1	86.7	87.8	87.9	89.0	89.4	89.4	89.6	89.6	89.8	90.1
700	51.4	67.6	72.9	77.3	82.8	84.8	87.6	88.8	88.9	90.0	90.5	90.5	90.6	90.6	90.9	91.1
600	51.4	67.8	73.1	77.7	83.4	85.5	88.4	89.7	89.8	90.9	91.4	91.4	91.5	91.5	91.7	92.0
500	51.4	67.8	73.2	77.8	83.7	86.0	89.0	90.4	90.6	91.8	92.3	92.3	92.4	92.4	92.7	92.9
400	51.4	67.9	73.3	77.9	84.1	86.6	89.9	91.6	91.9	93.3	93.9	93.9	94.0	94.0	94.3	94.6
300	51.4	67.9	73.3	77.9	84.3	86.8	90.2	92.3	92.7	94.5	95.2	95.3	95.6	95.6	95.9	96.1
200	51.4	67.9	73.4	78.0	84.4	86.9	90.3	92.5	92.9	94.9	96.1	96.1	96.9	97.2	97.7	99.1
100	51.4	68.0	73.4	78.0	84.4	86.9	90.3	92.5	92.9	94.9	96.1	96.1	96.9	97.2	97.8	100.0
0	51.4	68.0	73.4	78.0	84.4	86.9	90.3	92.5	92.9	94.9	96.1	96.1	96.9	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2919

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23203 MCCLELLAN AFB CALIF/SACRAMENTO 42-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NO CEILING	34.1	44.8	48.0	50.7	54.2	55.2	56.5	57.0	57.2	59.3	58.7	58.7	59.0	59.1	59.4	60.2												
≥ 7500	35.3	46.5	50.3	52.6	56.2	57.3	58.5	59.1	59.3	60.4	60.7	60.8	61.1	61.2	61.5	62.3												
≥ 6000	35.6	46.8	50.6	52.9	56.5	57.6	58.8	59.4	59.6	60.7	61.0	61.1	61.4	61.5	61.8	62.6												
≥ 5000	35.7	47.0	50.8	53.1	56.7	57.7	59.0	59.6	59.8	60.9	61.2	61.2	61.6	61.7	62.0	62.8												
≥ 4000	36.2	47.6	51.5	53.8	57.4	58.4	59.7	60.3	60.5	61.6	61.9	61.9	62.3	62.4	62.7	63.6												
≥ 3000	37.0	49.0	52.9	55.4	59.0	60.1	61.3	61.9	62.1	63.2	63.2	63.6	63.9	64.0	64.4	65.2												
≥ 2000	38.0	50.1	54.1	56.7	60.5	61.5	62.8	63.6	63.8	64.9	65.2	65.7	65.6	65.7	66.0	66.9												
≥ 1000	38.1	50.3	54.3	56.9	60.7	61.7	63.0	63.8	64.0	65.1	65.4	65.4	65.8	65.9	66.2	67.1												
≥ 8000	38.8	51.2	55.3	57.9	61.8	62.9	64.2	65.0	65.2	66.4	66.7	66.7	67.1	67.2	67.5	68.3												
≥ 7000	40.2	53.0	57.2	60.0	63.9	65.1	66.4	67.2	67.4	68.5	68.8	68.9	69.3	69.3	69.7	70.5												
≥ 6000	41.6	54.7	59.0	61.9	66.0	67.1	68.4	69.2	69.5	70.6	70.9	70.9	71.3	71.4	71.7	72.6												
≥ 5000	42.7	56.3	60.7	63.7	67.7	68.8	70.2	71.0	71.2	72.3	72.6	72.7	73.1	73.1	73.2	74.3												
≥ 4500	43.4	57.4	61.8	64.9	68.9	70.1	71.4	72.2	72.4	73.6	73.9	73.9	74.3	74.4	74.7	75.6												
≥ 4000	44.1	58.3	62.9	66.1	70.2	71.4	72.7	73.5	73.8	74.9	75.2	75.2	75.6	75.7	76.0	76.9												
≥ 3500	44.7	59.4	64.0	67.3	71.4	72.6	73.9	74.7	75.0	76.1	76.4	76.5	76.8	76.9	77.3	78.1												
≥ 3000	45.4	60.8	65.4	68.8	72.9	74.0	75.4	76.3	76.5	77.6	77.9	78.0	78.3	78.4	78.8	79.6												
≥ 2500	46.1	61.9	66.6	70.1	74.3	75.4	76.8	77.6	77.9	79.0	79.4	79.4	79.8	79.9	80.2	81.0												
≥ 2000	46.7	63.1	68.0	71.7	76.0	77.2	78.7	79.5	79.7	80.9	81.2	81.2	81.6	81.7	82.0	82.9												
≥ 1800	46.8	63.3	68.3	72.1	76.4	77.5	79.0	79.9	80.1	81.3	81.6	81.6	82.0	82.1	82.4	83.2												
≥ 1600	47.1	64.0	69.0	72.9	77.3	78.5	80.0	80.8	81.1	82.2	82.5	82.6	83.0	83.0	83.4	84.2												
≥ 1400	47.5	64.6	69.7	73.8	78.3	79.5	81.1	82.0	82.2	83.4	83.7	83.7	84.1	84.2	84.5	85.4												
≥ 1200	47.6	65.0	70.3	74.4	79.0	80.3	82.0	82.8	83.1	84.3	84.6	84.6	85.0	85.1	85.4	86.3												
≥ 1000	47.7	65.3	70.6	74.8	79.4	80.7	82.4	83.4	83.6	84.8	85.1	85.1	85.5	85.6	85.9	86.8												
≥ 900	47.7	65.5	70.9	75.3	80.1	81.5	83.2	84.2	84.4	85.6	85.9	85.9	86.3	86.4	86.7	87.6												
≥ 800	47.9	65.7	71.2	75.8	80.8	82.1	83.9	84.8	85.1	86.3	86.6	86.7	87.1	87.1	87.5	88.3												
≥ 700	48.0	65.8	71.4	76.1	81.4	82.8	84.5	85.6	85.9	87.2	87.6	87.6	88.0	88.1	88.4	89.3												
≥ 600	48.0	66.0	71.7	76.5	81.9	83.4	85.2	86.6	87.0	88.3	88.7	88.7	89.1	89.2	89.5	90.3												
≥ 500	48.0	66.1	71.9	76.7	82.4	84.2	86.1	87.6	87.9	89.3	89.8	89.8	90.2	90.2	90.6	91.4												
≥ 400	48.0	66.2	71.9	76.8	82.6	84.5	86.5	88.3	88.7	90.4	91.1	91.2	91.7	91.8	92.3	93.4												
≥ 300	48.0	66.2	71.9	76.8	82.6	84.5	86.7	88.6	89.1	91.2	92.2	92.3	92.9	93.1	94.0	95.5												
≥ 200	48.0	66.2	71.9	76.8	82.6	84.5	86.7	88.7	89.1	91.2	92.3	92.4	93.2	93.5	94.7	97.5												
≥ 100	48.0	66.2	71.9	76.8	82.6	84.5	86.7	88.7	89.1	91.2	92.3	92.4	93.2	93.6	95.1	100.0												
≥ 0	48.0	66.2	71.9	76.8	82.6	84.5	86.7	88.7	89.1	91.2	92.3	92.4	93.2	93.6	95.1	100.0												

TOTAL NUMBER OF OBSERVATIONS

2859

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET		VISIBILITY STATUTES															
		2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5
NO 1000	NO	43.8	54.0	55.8	57.5	59.2	59.6	60.2	60.8	60.9	61.4	61.0	61.0	62.6	67.8	63.1	64.1
	1000	45.8	56.9	58.8	60.5	62.5	62.9	63.5	64.2	64.4	64.9	65.3	65.3	66.1	66.3	66.6	67.7
1000 800	800	45.8	56.9	58.8	60.6	62.5	62.9	63.5	64.2	64.4	65.0	65.3	65.3	66.2	66.3	66.6	67.7
	800	46.1	57.3	59.2	61.0	62.9	63.3	63.9	64.6	64.8	65.3	65.7	65.7	66.5	66.7	67.0	68.1
1000 600	600	46.6	58.0	59.9	61.9	63.8	64.3	64.9	65.6	65.8	66.3	66.7	66.7	67.5	67.7	68.3	69.1
	600	47.8	59.8	61.7	63.7	65.7	66.2	66.9	67.7	67.8	68.4	68.7	68.7	69.6	69.7	70.1	71.1
1000 400	400	49.6	61.9	63.8	65.9	68.1	68.5	69.3	70.1	70.2	70.8	71.2	71.7	72.0	72.1	72.5	73.6
	400	50.1	62.6	64.5	66.6	68.8	69.3	70.0	70.8	70.9	71.5	71.9	71.9	72.7	72.8	73.2	74.3
1000 200	200	51.0	63.8	65.7	67.8	70.0	70.5	71.2	72.0	72.2	72.8	73.1	73.1	74.0	74.1	74.5	75.6
	200	52.2	65.3	67.2	69.4	71.7	72.3	73.0	73.7	73.9	74.5	74.9	74.9	75.7	75.8	76.2	77.3
1000 100	100	53.9	67.8	69.9	72.1	74.5	75.1	75.7	76.6	76.7	77.3	77.7	77.7	78.5	78.7	79.1	80.1
	100	55.2	69.6	71.7	74.0	76.4	77.0	77.6	78.5	78.6	79.3	79.7	79.7	80.5	80.6	81.0	82.1
1000 50	50	56.4	71.2	73.3	75.6	78.0	78.6	79.2	80.1	80.2	80.9	81.3	81.3	82.1	82.2	82.6	83.7
	50	57.3	72.7	74.9	77.3	79.7	80.2	80.9	81.7	81.9	82.5	82.9	82.9	83.7	83.9	84.3	85.3
1000 0	0	57.9	73.9	76.2	78.6	81.0	81.5	82.2	83.0	83.2	83.8	84.2	84.2	85.0	85.2	85.6	86.6
	0	59.1	75.8	78.3	80.7	83.2	83.7	84.4	85.2	85.4	86.1	86.5	86.5	87.3	87.4	87.8	88.9
1000 1000	1000	59.7	76.8	79.6	82.1	84.6	85.2	85.9	86.7	86.8	87.6	88.0	88.0	88.8	88.9	89.3	90.4
	1000	60.6	78.3	81.3	83.8	86.4	86.9	87.6	88.4	88.6	89.3	89.7	89.7	90.5	90.7	91.1	92.1
1000 800	800	60.8	78.6	81.7	84.2	86.8	87.3	88.0	88.9	89.0	89.8	90.1	90.1	90.9	91.1	91.5	92.6
	800	60.9	79.1	82.1	84.7	87.2	87.8	88.6	89.4	89.6	90.3	90.7	90.7	91.5	91.7	92.0	93.1
1000 600	600	61.0	79.4	82.6	85.2	87.8	88.4	89.2	90.0	90.2	90.9	91.3	91.3	92.1	92.3	92.6	93.7
	600	61.2	79.8	83.0	85.7	88.4	89.0	89.7	90.6	90.7	91.5	91.8	91.8	92.7	92.8	93.2	94.3
1000 400	400	61.3	80.0	83.2	85.9	88.6	89.2	90.0	90.9	91.0	91.8	92.1	92.1	93.0	93.1	93.5	94.6
	400	61.3	80.1	83.3	86.2	88.9	89.5	90.3	91.1	91.3	92.0	92.4	92.4	93.2	93.4	93.8	94.8
1000 200	200	61.4	80.3	83.4	86.3	89.0	89.7	90.5	91.4	91.5	92.3	92.6	92.6	93.5	93.6	94.0	95.1
	200	61.5	80.5	83.7	86.6	89.3	90.1	90.9	91.8	92.0	92.7	93.1	93.1	93.9	94.1	94.4	95.5
1000 100	100	61.5	80.5	83.7	86.6	89.4	90.1	91.0	92.0	92.2	92.9	93.3	93.3	94.2	94.3	94.7	95.8
	100	61.5	80.5	83.7	86.6	89.6	90.3	91.2	92.3	92.4	93.2	93.7	93.7	94.5	94.7	95.1	96.1
1000 50	50	61.5	80.6	83.8	86.7	89.7	90.4	91.3	92.6	92.8	93.6	94.1	94.1	95.1	95.2	95.6	96.7
	50	61.6	80.6	83.9	86.8	89.8	90.5	91.4	92.7	93.0	94.1	94.7	94.8	95.8	96.0	96.4	97.6
1000 0	0	61.6	80.6	83.9	86.8	89.8	90.5	91.4	92.7	93.0	94.1	94.8	94.9	96.0	96.3	96.7	98.6
	0	61.6	80.6	83.9	86.8	89.8	90.5	91.4	92.7	93.0	94.1	94.9	95.0	96.1	96.5	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2674

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23206 HCCLELLAN AFB CALIF/SACRAMENTO

41-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING	2	20	24	27	30	33	36	39	42	45	48	50	55	60	65	70	75	80	85	90	95	100
1000	40.9	51.7	54.0	55.5	56.7	56.9	57.4	58.0	58.1	58.8	59.1	59.1	59.6	59.7	60.3	62.0						
900	42.8	54.3	56.6	58.4	59.9	60.1	60.6	61.3	61.5	62.2	62.5	62.5	63.1	63.1	63.0	65.7						
800	42.8	54.3	56.7	58.4	60.0	60.3	60.7	61.4	61.6	62.3	62.0	62.6	63.2	63.2	63.9	65.8						
700	43.1	54.7	57.1	58.8	60.4	60.6	61.1	61.8	62.0	62.7	63.1	63.1	63.6	63.7	64.4	66.2						
600	43.5	55.4	57.8	59.6	61.3	61.5	62.0	62.6	62.8	63.6	63.9	63.9	64.5	64.6	65.3	67.1						
500	44.5	56.9	59.4	61.3	63.0	63.3	63.8	64.4	64.7	65.4	65.8	65.8	66.3	66.4	67.1	68.9						
400	45.1	58.8	61.3	63.3	65.2	65.5	66.0	66.7	66.9	67.7	68.0	68.0	68.6	68.6	69.3	71.2						
300	46.4	59.3	61.8	63.8	65.7	66.0	66.6	67.2	67.4	68.2	68.5	68.5	69.1	69.2	69.9	71.7						
200	47.3	60.5	62.9	65.0	66.9	67.2	67.7	68.4	68.6	69.4	69.7	69.7	70.3	70.4	71.1	72.9						
100	48.3	61.9	64.4	66.4	68.3	68.6	69.2	69.8	70.0	70.8	71.2	71.2	71.7	71.8	72.5	74.4						
0	49.8	63.9	66.5	68.6	70.5	70.8	71.4	72.0	72.3	73.1	73.4	73.4	74.0	74.0	74.7	76.6						
1000	51.1	65.8	68.6	70.7	72.7	73.1	73.7	74.3	74.6	75.4	75.8	75.8	76.3	76.4	77.1	79.0						
900	52.1	67.4	70.2	72.5	74.5	74.9	75.5	76.1	76.4	77.2	77.6	77.6	78.1	78.2	78.9	80.8						
800	53.0	69.1	72.0	74.2	76.4	76.7	77.3	77.9	78.2	79.0	79.4	79.4	80.0	80.0	80.7	82.6						
700	53.6	70.1	73.2	75.4	77.5	77.9	78.5	79.1	79.4	80.2	80.6	80.6	81.2	81.2	81.9	83.8						
600	54.9	72.1	75.3	77.6	79.8	80.1	80.8	81.4	81.7	82.5	82.9	83.5	83.5	84.2	86.1							
500	55.3	73.1	76.4	78.8	81.1	81.5	82.1	82.8	83.1	83.9	84.3	84.3	84.8	84.9	85.6	87.5						
400	56.2	74.5	77.8	80.4	82.7	83.2	83.9	84.5	84.8	85.7	86.0	86.0	86.6	86.7	87.4	89.2						
300	56.3	74.7	78.1	80.7	83.1	83.5	84.2	84.9	85.2	86.0	86.4	86.4	87.0	87.0	87.7	89.6						
200	56.6	75.2	78.7	81.4	83.8	84.3	85.0	85.7	86.0	86.9	87.2	87.2	87.8	87.9	88.6	90.4						
100	56.9	75.7	79.2	81.9	84.4	84.9	85.7	86.4	86.7	87.6	87.9	87.9	88.5	88.6	89.3	91.1						
0	57.1	76.1	79.6	82.3	84.8	85.4	86.3	86.9	87.2	88.1	88.5	88.5	89.1	89.2	89.9	91.7						
1000	57.2	76.4	80.0	82.9	85.4	85.9	86.9	87.5	87.8	88.7	89.1	89.1	89.7	89.8	90.5	92.3						
900	57.3	76.5	80.2	83.0	85.5	86.1	87.0	87.7	88.0	88.9	89.3	89.3	89.9	89.9	90.7	92.5						
800	57.3	76.6	80.4	83.2	85.9	86.4	87.4	88.1	88.4	89.3	89.7	89.7	90.2	90.3	91.0	92.9						
700	57.5	76.9	80.7	83.5	86.4	86.9	88.0	88.7	89.0	89.9	90.3	90.3	90.8	90.9	91.6	93.5						
600	57.5	76.9	80.7	83.5	86.5	87.1	88.2	89.0	89.3	90.3	90.8	90.8	91.4	91.4	92.1	94.0						
500	57.5	76.9	80.8	83.7	86.7	87.4	88.6	89.4	89.8	90.8	91.3	91.3	91.8	91.9	92.6	94.5						
400	57.5	77.0	80.9	83.8	86.9	87.5	88.8	89.7	90.1	91.2	91.8	91.8	92.4	92.5	93.3	95.3						
300	57.6	77.1	80.9	83.8	86.9	87.6	88.8	89.9	90.4	91.6	92.4	92.5	93.2	93.4	94.3	96.6						
200	57.6	77.1	80.9	83.8	86.9	87.6	88.8	89.9	90.5	91.7	92.5	92.6	93.4	93.7	95.0	98.0						
100	57.6	77.1	80.9	83.8	86.9	87.6	88.8	89.9	90.5	91.7	92.5	92.6	93.6	94.0	95.4	100.0						
0	57.6	77.1	80.9	83.8	86.9	87.6	88.8	89.9	90.5	91.7	92.5	92.6	93.6	94.0	95.4	100.0						

TOTAL NUMBER OF OBSERVATIONS 2685

CEILING VERSUS VISIBILITY

40-72

736

0000-0300

		33.8	41.4	44.0	45.6	47.4	47.8	48.9	49.5	50.0	50.6	51.3	51.1	51.7	51.9	52.3	53.6
		36.8	45.9	48.4	50.3	52.3	52.7	54.0	55.1	55.2	55.9	56.4	56.5	57.1	57.3	57.8	59.1
	100	37.1	46.3	48.6	50.7	52.7	53.1	54.4	55.5	55.7	56.3	56.9	57.0	57.6	57.9	58.2	59.6
	200	37.3	46.6	49.1	51.0	53.0	53.4	54.8	55.9	56.0	56.7	57.2	57.3	57.9	58.1	58.6	59.9
	300	38.1	47.8	50.5	52.5	54.6	55.1	56.5	57.6	57.8	58.4	59.0	59.1	59.7	59.9	60.3	61.7
	400	39.5	49.7	52.5	54.6	56.7	57.2	58.8	60.0	60.2	60.8	61.4	61.5	62.1	62.3	62.8	64.1
	500	40.3	51.0	53.7	55.9	58.2	58.7	60.3	61.5	61.7	62.4	63.0	63.1	63.7	64.0	64.4	65.8
	600	40.5	51.3	54.2	56.4	58.7	59.2	60.8	62.0	62.2	62.9	63.5	63.6	64.2	64.5	64.9	66.4
	700	41.5	52.6	55.6	57.9	60.3	60.8	62.5	63.7	63.9	64.6	65.2	65.3	66.0	66.2	66.7	68.2
	800	42.3	53.7	56.8	59.1	61.6	62.1	63.8	65.0	65.3	66.0	66.7	66.8	67.4	67.7	68.1	69.6
	900	43.7	55.3	58.6	61.0	63.5	64.0	65.7	67.0	67.2	68.0	68.7	68.8	69.5	69.7	70.2	71.7
	1000	45.4	57.7	61.1	63.6	66.2	66.7	68.5	69.7	70.0	70.8	71.5	71.6	72.2	72.5	72.9	74.4
	1500	46.7	59.2	62.7	65.4	68.0	68.5	70.3	71.6	71.8	72.6	73.3	73.4	74.1	74.3	74.8	76.3
	2000	47.6	60.4	63.9	66.6	69.3	69.9	71.7	73.0	73.3	74.1	74.8	74.9	75.6	75.8	76.4	77.8
	2500	48.4	61.6	65.3	68.0	70.7	71.3	73.2	74.4	74.7	75.5	76.2	76.3	77.0	77.3	77.8	79.3
	3000	49.5	63.2	67.1	69.9	72.8	73.4	75.4	76.6	76.9	77.7	78.5	78.6	79.2	79.5	80.0	81.5
	3500	50.1	64.5	68.8	71.6	74.7	75.3	77.5	78.8	79.0	79.9	80.6	80.7	81.4	81.6	82.1	83.7
	4000	50.5	65.5	69.8	72.7	76.0	76.7	78.9	80.2	80.5	81.3	82.1	82.2	82.9	83.1	83.6	85.2
	4500	50.6	65.6	70.0	72.9	76.2	76.9	79.2	80.5	80.7	81.7	82.4	82.5	83.2	83.4	83.9	85.5
	5000	51.0	66.1	70.6	73.7	77.2	77.8	80.1	81.5	81.7	82.6	83.4	83.5	84.2	84.5	85.0	86.6
	5500	51.4	66.6	71.2	74.3	78.0	78.7	81.1	82.5	82.7	83.7	84.5	84.6	85.3	85.5	86.0	87.6
	6000	51.6	67.1	71.8	75.0	78.8	79.5	82.0	83.4	83.7	84.7	85.5	85.6	86.3	86.6	87.1	88.7
	6500	51.8	67.5	72.1	75.5	79.3	80.1	82.6	84.1	84.4	85.5	86.3	86.4	87.1	87.4	87.9	89.5
	7000	51.9	67.9	72.6	76.1	79.9	80.7	83.3	84.9	85.2	86.3	87.1	87.2	87.9	88.2	88.7	90.3
	7500	51.9	68.0	72.8	76.3	80.3	81.1	83.7	85.4	85.6	86.7	87.6	87.6	88.4	88.7	89.2	90.8
	8000	52.1	68.2	73.0	76.5	80.6	81.5	84.2	85.9	86.2	87.4	88.2	88.3	89.1	89.4	90.0	91.5
	8500	52.2	68.4	73.1	76.8	80.9	81.8	84.5	86.3	86.6	87.8	88.7	88.8	89.6	90.0	90.6	92.2
	9000	52.3	68.5	73.3	76.9	81.2	82.1	84.9	86.9	87.1	88.5	89.4	89.5	90.4	90.8	91.4	93.0
	9500	52.3	68.5	73.3	76.9	81.3	82.1	85.1	87.3	87.6	89.2	90.4	90.5	91.7	92.3	93.2	95.9
	10000	52.3	68.5	73.3	76.9	81.3	82.1	85.1	87.3	87.6	89.2	90.4	90.6	92.0	92.7	93.7	97.5
	15000	52.3	68.5	73.3	76.9	81.3	82.1	85.1	87.3	87.6	89.2	90.5	90.7	92.1	92.8	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2753

CEILING VERSUS VISIBILITY

159

7900-1100

TOTAL NUMBER OF OBSERVATIONS_____2783

CEILING VERSUS VISIBILITY

 $\hat{r} \in \mathcal{B}$

1200-1400

TOTAL NUMBER OF OBSERVATIONS 2779

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

23208 HUCLELLA AFB CALIF/SACRAMENTO 40-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
IN 1000	43.2	43.9	51.3	52.8	54.8	55.3	55.6	56.1	56.2	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8	
	50.7	57.8	60.8	62.4	64.9	65.2	65.9	66.6	66.6	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	
IN 400	51.0	56.2	61.2	62.8	65.3	65.6	66.3	67.0	67.0	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
	51.5	58.7	61.8	63.4	65.9	66.3	66.9	67.6	67.7	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	
IN 400	52.5	61.1	63.2	65.0	67.6	68.1	68.8	69.5	69.6	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
	54.1	62.3	65.4	67.3	70.1	70.6	71.4	72.1	72.2	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	
IN 400	55.4	63.7	67.0	69.0	72.0	72.5	73.3	74.0	74.1	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	
	55.7	64.0	67.4	69.5	72.5	72.9	73.7	74.4	74.5	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	
IN 500	56.8	65.4	68.9	70.9	74.0	74.5	75.3	76.0	76.1	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
	58.1	66.9	70.4	72.5	75.7	76.2	77.0	77.7	77.8	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4	
IN 600	59.5	68.5	72.0	74.2	77.4	78.0	78.8	79.5	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	
	60.7	70.2	73.7	76.0	79.4	80.0	80.8	81.6	81.7	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	
IN 4500	61.9	71.7	75.3	77.6	81.2	81.7	82.6	83.4	83.5	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
	62.5	73.6	77.3	79.7	83.4	84.0	84.9	85.7	85.8	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
IN 3500	64.7	75.0	78.7	81.2	84.8	85.5	86.3	87.1	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	
	66.0	76.8	80.5	83.0	86.8	87.4	88.3	89.1	89.2	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
IN 1500	67.4	78.7	82.6	85.2	89.1	89.8	90.7	91.5	91.6	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	
	68.7	80.2	84.4	87.2	91.4	92.2	93.2	94.0	94.0	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
IN 800	68.9	80.4	84.7	87.5	91.7	92.5	93.5	94.4	94.4	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
	69.0	80.9	85.3	88.1	92.4	93.3	94.4	95.2	95.3	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
IN 200	69.1	81.1	85.5	88.5	92.8	93.7	94.9	95.7	95.8	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	
	69.5	81.5	86.0	89.2	93.7	94.8	96.1	96.9	97.0	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
IN 900	69.5	81.6	86.0	89.3	93.9	95.0	96.3	97.2	97.2	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
	69.5	81.6	86.1	89.3	94.0	95.1	96.4	97.4	97.5	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	
IN 750	69.5	81.6	86.1	89.4	94.3	95.4	96.9	97.9	98.0	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
	69.6	81.7	86.2	89.6	94.6	95.7	97.2	98.3	98.4	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	
IN 500	69.6	81.8	86.3	89.7	94.7	96.0	97.4	98.6	98.7	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
	69.6	81.8	86.3	89.7	94.7	96.0	97.5	98.7	98.8	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
IN 300	69.7	81.8	86.3	89.7	94.8	96.0	97.6	98.8	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	69.7	81.8	86.3	89.7	94.8	96.0	97.6	98.8	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
IN 100	69.7	81.8	86.3	89.7	94.8	96.0	97.6	98.8	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	69.7	81.8	86.3	89.7	94.8	96.0	97.6	98.8	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 2745

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

FEU

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-2000

CEILING	49.6	57.8	59.5	60.8	62.3	62.7	63.0	63.4	63.5	64.0	64.2	64.2	64.4	64.4	64.6	64.7
1000	53.6	62.5	64.5	66.0	67.6	68.1	68.4	68.8	68.9	69.4	69.6	69.6	69.8	69.8	70.0	70.1
800	53.7	62.7	64.7	66.2	67.9	68.4	68.7	69.1	69.1	69.7	69.8	69.9	70.1	70.1	70.2	70.4
600	54.2	63.3	65.3	66.8	68.5	69.0	69.3	69.7	69.7	70.3	70.4	70.5	70.7	70.7	70.8	71.0
400	55.6	65.1	67.2	68.8	70.6	71.2	71.5	71.9	72.0	72.6	72.7	72.8	73.0	73.0	73.1	73.3
200	56.8	66.7	68.9	70.6	72.5	73.1	73.5	73.9	73.9	74.5	74.7	74.7	74.9	74.9	75.1	75.2
100	57.9	68.2	70.4	72.1	74.2	74.7	75.1	75.5	75.6	76.2	76.3	76.4	76.6	76.6	76.7	76.9
500	58.2	68.7	71.0	72.6	74.7	75.3	75.7	76.1	76.2	76.8	76.9	77.0	77.2	77.2	77.3	77.5
800	59.5	70.4	72.6	74.4	76.5	77.1	77.6	78.0	78.0	78.6	78.7	78.8	79.0	79.0	79.2	79.3
600	60.8	71.8	74.0	75.7	77.9	78.5	78.9	79.3	79.4	80.0	80.1	80.2	80.4	80.4	80.5	80.7
400	61.9	73.2	75.5	77.3	79.4	80.1	80.6	81.0	81.1	81.7	81.8	81.8	82.1	82.1	82.2	82.4
200	63.0	74.7	77.1	78.8	81.1	81.7	82.2	82.7	82.7	83.3	83.5	83.6	83.8	83.8	83.9	84.1
100	64.3	76.8	79.3	81.1	83.3	84.0	84.5	84.9	85.0	85.6	85.7	85.8	86.0	86.0	86.2	86.3
500	65.7	78.8	81.6	83.3	85.6	86.2	86.8	87.2	87.3	87.9	88.0	88.1	88.3	88.3	88.5	88.6
800	66.8	80.2	83.2	84.9	87.2	87.9	88.4	88.8	88.9	89.5	89.7	89.7	90.0	90.0	90.1	90.2
600	68.1	82.2	85.3	87.0	89.4	90.1	90.7	91.1	91.2	91.8	92.0	92.0	92.3	92.3	92.4	92.6
400	69.0	83.2	86.6	88.4	90.8	91.5	92.1	92.6	92.7	93.3	93.4	93.5	93.7	93.7	93.9	94.0
200	69.7	84.3	87.8	89.8	92.2	93.0	93.6	94.1	94.2	94.8	94.9	95.0	95.2	95.2	95.3	95.5
100	69.8	84.5	88.2	90.1	92.6	93.4	94.1	94.6	94.6	95.2	95.4	95.5	95.7	95.7	95.8	96.0
500	69.9	84.7	88.4	90.4	93.0	93.8	94.5	95.0	95.1	95.7	95.8	95.9	96.1	96.1	96.3	96.4
800	70.0	85.0	88.7	90.8	93.3	94.2	95.0	95.4	95.5	96.1	96.3	96.4	96.6	96.6	96.7	96.9
600	70.0	85.0	88.8	91.0	93.6	94.5	95.3	95.7	95.8	96.4	96.6	96.7	96.9	96.9	97.0	97.2
400	70.1	85.2	88.9	91.2	93.9	94.8	95.5	96.0	96.1	96.7	96.8	96.9	97.1	97.1	97.3	97.4
200	70.1	85.3	89.1	91.3	94.2	95.1	96.0	96.5	96.5	97.2	97.3	97.4	97.6	97.6	97.8	97.9
100	70.1	85.3	89.2	91.4	94.5	95.5	96.5	97.0	97.1	97.8	97.9	98.0	98.3	98.3	98.4	98.5
500	70.2	85.4	89.3	91.6	94.7	95.6	96.7	97.3	97.4	98.1	98.2	98.3	98.5	98.5	98.7	98.8
800	70.2	85.4	89.3	91.6	94.8	95.9	96.9	97.6	97.7	98.3	98.5	98.6	98.8	98.8	99.0	99.1
600	70.2	85.5	89.4	91.6	94.9	96.1	97.2	97.9	98.0	98.7	98.8	99.0	99.2	99.2	99.3	99.5
400	70.2	85.5	89.4	91.6	94.9	96.1	97.3	98.1	98.1	98.9	99.1	99.2	99.4	99.4	99.6	99.7
200	70.2	85.5	89.4	91.6	94.9	96.1	97.3	98.1	98.1	98.9	99.1	99.2	99.4	99.4	99.6	99.8
100	70.2	85.5	89.4	91.6	94.9	96.1	97.3	98.1	98.1	98.9	99.1	99.2	99.4	99.4	99.6	99.8
50	70.2	85.5	89.4	91.6	94.9	96.1	97.3	98.1	98.1	98.9	99.1	99.2	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

2687

DATA PROCESSING BRANCH
USAF LTAC
AIR WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2000	48.9	59.4	60.9	62.1	63.4	63.5	63.8	64.0	64.0	64.4	64.6	64.6	64.9	65.0	65.4	66.0													
1800	51.7	63.2	64.9	66.1	67.5	67.6	68.0	68.2	68.2	68.6	68.8	68.8	69.1	69.3	69.7	70.4													
1600	51.5	63.4	65.0	66.3	67.6	67.7	68.1	68.4	68.4	68.7	69.0	69.0	69.3	69.4	69.9	70.6													
1400	52.0	63.5	65.2	66.5	67.9	68.0	68.4	68.7	68.7	69.0	69.3	69.3	69.6	69.7	70.2	70.8													
1200	52.8	64.6	66.3	67.7	69.0	69.1	69.5	69.8	69.8	70.2	70.4	70.4	70.7	70.8	71.3	72.0													
1000	54.2	66.6	68.4	69.8	71.2	71.3	71.7	72.0	72.0	72.3	72.6	72.6	72.9	73.0	73.5	74.2													
800	55.9	68.5	70.5	72.0	73.4	73.6	74.0	74.3	74.3	74.6	74.9	74.9	75.2	75.3	75.8	76.4													
600	56.3	69.0	70.9	72.4	73.9	74.0	74.5	74.8	74.8	75.1	75.4	75.4	75.7	75.8	76.3	76.9													
400	57.5	70.4	72.3	73.8	75.4	75.5	75.9	76.2	76.2	76.5	76.8	76.8	77.1	77.2	77.7	78.3													
200	59.3	72.6	74.6	76.1	77.6	77.7	78.1	78.4	78.4	78.8	79.0	79.0	79.3	79.4	79.9	80.6													
100	60.7	74.3	76.3	77.9	79.5	79.7	80.2	80.5	80.5	80.8	81.1	81.1	81.4	81.5	82.0	82.6													
0	61.8	75.8	77.9	79.6	81.4	81.6	82.0	82.3	82.3	82.6	82.9	82.9	83.2	83.3	83.8	84.5													
2000	63.2	77.5	79.8	81.5	83.3	83.5	84.0	84.3	84.3	84.6	84.9	84.9	85.1	85.3	85.8	86.4													
1800	64.3	79.3	81.7	83.4	85.2	85.4	85.8	86.2	86.2	86.5	86.8	86.8	87.1	87.2	87.7	88.3													
1600	65.1	80.5	83.0	84.7	86.5	86.7	87.2	87.5	87.5	87.8	88.1	88.1	88.4	88.5	89.0	89.7													
1400	65.7	81.8	84.4	86.2	88.1	88.3	88.7	89.2	89.2	89.5	89.8	89.8	90.1	90.2	90.7	91.4													
1200	66.7	83.2	86.0	87.7	89.7	89.9	90.4	90.8	90.8	91.1	91.4	91.4	91.7	91.8	92.3	93.0													
1000	67.6	84.4	87.3	89.1	91.0	91.2	91.8	92.2	92.2	92.6	92.8	92.8	93.1	93.2	93.7	94.4													
800	67.8	84.7	87.7	89.5	91.4	91.6	92.1	92.6	92.6	92.9	93.2	93.2	93.5	93.6	94.1	94.8													
600	68.0	85.1	88.1	89.9	91.8	92.1	92.6	93.0	93.0	93.4	93.6	93.6	93.9	94.1	94.5	95.2													
400	68.1	85.4	88.7	90.5	92.4	92.6	93.2	93.6	93.6	94.0	94.2	94.2	94.5	94.7	95.1	95.8													
200	68.3	85.6	89.0	90.9	92.9	93.2	93.8	94.2	94.2	94.5	94.8	94.8	95.1	95.2	95.7	96.4													
100	68.3	85.7	89.1	90.9	93.0	93.2	93.6	94.2	94.2	94.6	94.9	94.9	95.2	95.3	95.8	96.4													
0	68.5	85.9	89.4	91.2	93.3	93.6	94.2	94.6	94.6	95.0	95.3	95.3	95.5	95.7	96.1	96.8													
2000	68.5	86.1	89.6	91.4	93.6	93.9	94.6	95.3	95.1	95.5	95.7	95.7	96.0	96.1	96.6	97.3													
1800	68.5	86.1	89.6	91.4	93.7	94.1	94.8	95.3	95.3	95.7	96.0	96.0	96.3	96.4	96.9	97.5													
1600	68.5	86.1	89.6	91.5	94.0	94.3	95.1	95.6	95.7	96.1	96.3	96.3	96.6	96.7	97.2	97.9													
1400	68.5	86.1	89.7	91.5	94.1	94.4	95.2	95.8	95.9	96.3	96.6	96.6	96.9	97.0	97.5	98.1													
1200	68.5	86.1	89.7	91.6	94.1	94.5	95.3	96.1	96.1	96.5	96.8	96.8	97.1	97.2	97.7	98.5													
1000	68.5	86.1	89.7	91.6	94.1	94.7	95.4	96.1	96.2	96.7	96.9	97.0	97.3	97.4	97.9	98.8													
800	68.5	86.1	89.7	91.6	94.1	94.7	95.4	96.1	96.3	96.7	97.0	97.0	97.4	97.5	98.0	99.1													
600	68.5	86.1	89.7	91.6	94.1	94.7	95.4	96.1	96.3	96.7	97.0	97.0	97.4	97.5	98.1	100.0													

TOTAL NUMBER OF OBSERVATIONS 2674

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA AFB CALIF/SACRAMENTO 41-72

PAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET		VISIBILITY STATUTES MILES															
		2+	2	24	2	21	2	2	2	2	2	2	2	2	2	2	2
IN	2000	68.2	72.2	73.0	73.4	73.5	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8
	1000	71.5	76.2	77.0	77.4	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IN	500	71.7	76.3	77.1	77.6	77.7	77.7	77.8	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0
	400	71.9	76.5	77.3	77.8	77.9	77.9	78.0	78.0	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2
IN	300	72.9	77.6	78.4	79.0	79.1	79.1	79.2	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4
	200	74.4	79.2	80.0	80.6	80.7	80.7	80.8	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0
IN	100	75.9	80.9	81.8	82.3	82.4	82.5	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
	50	76.1	81.0	81.9	82.5	82.6	82.6	82.7	82.7	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9
IN	400	77.3	82.3	83.2	83.8	83.9	83.9	84.0	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2
	300	78.6	83.6	84.6	85.1	85.2	85.3	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IN	200	79.8	85.1	86.0	86.6	86.7	86.8	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
	100	81.6	87.2	88.2	88.8	88.9	89.0	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IN	4500	82.2	87.9	89.0	89.5	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
	4000	83.0	88.7	89.8	90.4	90.6	90.6	90.7	90.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IN	3500	84.0	89.8	91.0	91.6	91.8	91.8	91.9	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1
	3000	85.4	91.8	93.2	93.9	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.5
IN	2500	86.4	93.2	94.6	95.4	95.7	95.7	95.8	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0
	2000	86.9	94.3	95.8	96.5	96.8	96.9	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN	800	87.1	94.4	95.9	96.7	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3
	500	87.4	94.9	96.5	97.2	97.6	97.6	97.7	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
IN	200	87.5	95.1	96.8	97.5	97.9	97.9	98.0	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
	100	87.5	95.4	97.1	97.9	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IN	900	87.7	95.6	97.4	98.1	98.6	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	800	87.7	95.7	97.6	98.4	98.9	98.9	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IN	700	87.8	95.9	97.8	98.6	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5
	600	87.8	95.9	97.8	98.7	99.2	99.3	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IN	500	87.8	95.9	97.9	98.7	99.3	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
	400	87.8	95.9	97.9	98.8	99.4	99.5	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IN	300	87.9	96.0	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
	200	87.9	96.0	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IN	100	87.9	96.0	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
	0	87.9	96.0	98.0	98.8	99.5	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2965

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

WAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NOTE NO	64.3	69.9	70.2	70.4	70.8	70.8	71.0	71.1	71.1	71.3	71.4	71.4	71.6	71.6	71.7	71.8
2 2000	67.6	72.9	74.1	74.3	74.8	74.8	74.9	75.0	75.0	75.3	75.4	75.4	75.5	75.5	75.7	75.8
IV 8000	67.9	73.1	74.3	74.5	74.9	74.9	75.1	75.2	75.2	75.4	75.5	75.5	75.7	75.7	75.8	75.9
IV 6000	68.0	73.1	74.3	74.5	75.0	75.0	75.1	75.2	75.2	75.5	75.6	75.6	75.7	75.7	75.9	76.0
IV 4000	69.1	74.2	75.4	75.6	76.0	76.0	76.2	76.3	76.3	76.6	76.7	76.7	76.8	76.8	77.0	77.1
IV 2000	70.9	76.1	77.4	77.6	78.0	78.0	78.2	78.3	78.3	78.5	78.6	78.6	78.8	78.8	79.0	79.1
IV 1000	72.4	77.7	79.1	79.3	79.7	79.7	79.9	80.0	80.0	80.2	80.3	80.3	80.5	80.5	80.6	80.7
IV 500	72.6	77.9	79.3	79.5	79.9	79.9	80.1	80.2	80.2	80.4	80.5	80.5	80.7	80.7	80.8	80.9
IV 200	73.9	79.2	80.5	80.7	81.1	81.1	81.3	81.4	81.4	81.7	81.8	81.8	81.9	81.9	82.1	82.2
IV 100	75.2	80.6	82.1	82.3	82.7	82.7	82.9	83.0	83.0	83.2	83.3	83.3	83.5	83.5	83.6	83.7
IV 50	76.2	82.0	83.5	83.8	84.2	84.2	84.4	84.5	84.5	84.7	84.8	84.8	85.0	85.0	85.1	85.2
IV 0	77.9	84.1	85.6	85.9	86.3	86.3	86.5	86.6	86.6	86.9	87.0	87.0	87.1	87.1	87.3	87.4
IV 4000	78.7	85.0	86.5	86.8	87.2	87.2	87.4	87.5	87.5	87.7	87.8	87.8	88.0	88.0	88.1	88.2
IV 3000	79.9	86.4	87.9	88.2	88.6	88.6	88.8	88.9	88.9	89.2	89.3	89.3	89.4	89.4	89.5	89.7
IV 2500	80.9	87.6	89.2	89.4	89.9	89.9	90.1	90.2	90.2	90.4	90.5	90.5	90.7	90.7	90.8	90.9
IV 2000	81.9	89.0	90.6	90.8	91.4	91.4	91.5	91.7	91.7	91.9	92.0	92.0	92.2	92.2	92.3	92.4
IV 1500	82.8	90.4	92.1	92.4	92.9	92.9	93.1	93.2	93.2	93.4	93.5	93.5	93.7	93.7	93.9	94.0
IV 1000	83.8	92.0	93.6	94.0	94.6	94.6	94.8	94.9	94.9	95.2	95.3	95.3	95.4	95.4	95.6	95.7
IV 800	83.9	92.2	93.9	94.2	94.8	94.8	95.1	95.2	95.2	95.4	95.5	95.5	95.7	95.7	95.8	95.9
IV 600	84.0	92.5	94.3	94.6	95.2	95.2	95.5	95.6	95.6	95.9	96.0	96.0	96.1	96.1	96.3	96.4
IV 400	84.2	92.9	94.7	95.1	95.7	95.7	95.9	96.1	96.1	96.3	96.4	96.4	96.6	96.6	96.7	96.8
IV 300	84.5	93.6	95.3	95.7	96.4	96.4	96.6	96.8	96.8	97.0	97.1	97.1	97.3	97.3	97.4	97.5
IV 200	84.6	93.8	95.6	96.0	96.7	96.7	97.0	97.1	97.1	97.4	97.5	97.5	97.6	97.6	97.8	97.9
IV 100	84.7	94.0	96.0	96.4	97.1	97.1	97.4	97.6	97.6	97.8	97.9	97.9	98.1	98.1	98.2	98.3
IV 50	84.7	94.2	96.4	96.8	97.4	97.5	97.8	98.0	98.0	98.2	98.3	98.3	98.5	98.5	98.6	98.7
IV 0	84.8	94.3	96.6	97.0	97.6	97.7	98.0	98.2	98.2	98.4	98.5	98.5	98.7	98.7	98.9	99.0
IV 400	84.8	94.5	96.8	97.2	97.9	98.0	98.4	98.6	98.6	98.9	99.0	99.0	99.1	99.1	99.3	99.4
IV 300	84.8	94.5	96.8	97.2	98.1	98.1	98.6	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.4	99.5
IV 200	84.9	94.7	96.9	97.4	98.2	98.3	98.7	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.5	99.7
IV 100	84.9	94.7	96.9	97.4	98.2	98.3	98.8	99.0	99.0	99.2	99.3	99.3	99.5	99.5	99.6	99.8
IV 0	84.9	94.7	96.9	97.4	98.2	98.3	98.8	99.0	99.0	99.2	99.3	99.3	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2960

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

23200 MCCLELLAN AFB CALIF/SACRAMENTO

40-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTES																			
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0-99	49.8	56.3	58.3	59.5	60.5	60.7	61.3	61.6	61.7	61.9	62.1	62.1	62.2	62.4	62.6	63.1				
100	55.1	62.9	65.5	66.7	67.8	68.1	68.6	68.9	69.0	69.3	69.5	69.5	69.7	69.8	70.1	70.7				
200	55.3	63.1	65.7	67.0	68.1	68.3	68.8	69.1	69.3	69.5	69.7	69.7	69.9	70.1	70.3	70.9				
300	55.7	63.6	66.1	67.5	68.6	68.8	69.3	69.6	69.7	70.0	70.2	70.2	70.4	70.6	70.8	71.4				
400	56.7	64.9	67.5	68.8	69.9	70.1	70.7	71.0	71.1	71.3	71.6	71.6	71.8	71.9	72.2	72.8				
500	58.7	67.1	69.7	71.1	72.2	72.5	73.0	73.3	73.4	73.6	73.9	73.9	74.1	74.2	74.6	75.2				
600	59.9	68.5	71.2	72.5	73.7	73.9	74.4	74.7	74.9	75.1	75.4	75.4	75.6	75.7	76.0	76.6				
700	60.4	69.0	71.7	73.0	74.2	74.4	75.0	75.3	75.4	75.7	75.9	75.9	76.1	76.2	76.6	77.2				
800	62.0	70.8	73.5	74.9	76.0	76.3	76.8	77.1	77.3	77.5	77.7	77.7	77.9	78.1	78.4	79.0				
900	63.6	72.6	75.4	76.8	78.0	78.2	78.7	79.0	79.2	79.4	79.6	79.6	79.8	80.0	80.3	80.9				
1000	65.0	74.3	77.3	78.7	79.9	80.1	80.7	81.0	81.2	81.4	81.7	81.7	81.9	82.0	82.3	82.9				
1500	66.2	76.0	78.9	80.3	81.6	81.9	82.4	82.7	82.9	83.1	83.4	83.4	83.6	83.7	84.1	84.7				
2000	67.2	77.0	79.9	81.4	82.7	82.9	83.5	83.8	84.0	84.2	84.5	84.5	84.7	84.8	85.2	85.7				
2500	68.4	78.7	81.7	83.3	84.6	84.8	85.4	85.7	85.9	86.1	86.4	86.4	86.6	86.7	87.1	87.7				
3000	69.2	79.9	82.9	84.6	86.0	86.3	86.8	87.2	87.4	87.6	87.8	87.8	88.0	88.2	88.5	89.1				
3500	70.4	81.4	84.7	86.5	88.1	88.4	89.0	89.3	89.5	89.7	90.0	90.0	90.2	90.4	90.7	91.3				
4000	71.3	82.5	85.7	87.6	89.2	89.6	90.2	90.6	90.8	91.0	91.3	91.3	91.5	91.7	92.0	92.6				
4500	72.3	83.8	87.2	89.1	90.9	91.3	92.0	92.4	92.6	92.8	93.1	93.1	93.3	93.5	93.8	94.4				
5000	72.4	84.0	87.4	89.3	91.2	91.5	92.2	92.7	92.8	93.1	93.3	93.3	93.6	93.7	94.1	94.7				
5500	72.5	84.3	87.7	89.7	91.6	92.0	92.7	93.2	93.4	93.6	93.9	93.9	94.1	94.3	94.6	95.2				
6000	72.6	84.6	88.2	90.2	92.2	92.6	93.3	93.9	94.0	94.3	94.6	94.6	94.8	95.0	95.3	95.9				
6500	72.9	85.1	88.7	90.8	92.8	93.3	94.0	94.6	94.7	95.1	95.3	95.3	95.6	95.7	96.1	96.7				
7000	73.0	85.3	88.9	91.0	93.1	93.5	94.3	94.8	95.0	95.3	95.6	95.6	95.8	96.0	96.3	96.9				
7500	73.1	85.5	89.2	91.3	93.5	93.9	94.7	95.2	95.4	95.8	96.1	96.1	96.3	96.5	96.8	97.4				
8000	73.1	85.7	89.4	91.6	93.8	94.3	95.2	95.7	95.9	96.3	96.6	96.6	96.8	97.0	97.3	97.9				
8500	73.1	85.8	89.5	91.8	94.1	94.6	95.5	96.1	96.2	96.7	96.9	96.9	97.2	97.3	97.7	98.3				
9000	73.2	85.8	89.6	91.9	94.4	94.9	96.0	96.5	96.7	97.1	97.4	97.4	97.7	97.8	98.2	98.8				
9500	73.2	85.8	89.7	91.9	94.5	95.0	96.1	96.7	96.8	97.3	97.6	97.6	97.9	98.1	98.4	99.1				
10000	73.2	85.8	89.7	92.0	94.5	95.0	96.1	96.8	96.9	97.4	97.8	97.8	98.1	98.4	98.8	99.6				
10000	73.2	85.8	89.7	92.0	94.5	95.0	96.1	96.8	96.9	97.4	97.8	97.8	98.2	98.4	98.9	99.9				
10000	73.2	85.8	89.7	92.0	94.5	95.0	96.1	96.8	96.9	97.4	97.8	97.8	98.2	98.4	98.9	100.0				

TOTAL NUMBER OF OBSERVATIONS 3031

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10
≥ 10000	49.7	56.4	58.0	58.8	59.5	59.7	59.9	59.9	59.9	60.0	60.1	60.1	60.2	60.2	60.2	60.2
≥ 8000	57.6	65.9	67.8	68.7	69.6	69.8	70.0	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.4	70.4
≥ 6000	57.8	66.2	68.1	69.1	69.9	70.1	70.3	70.4	70.4	70.5	70.5	70.5	70.6	70.7	70.7	70.7
≥ 4000	58.2	66.6	68.6	69.6	70.4	70.6	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.2	71.2	71.2
≥ 2000	59.5	68.1	70.1	71.1	71.9	72.1	72.3	72.4	72.4	72.5	72.5	72.5	72.6	72.7	72.7	72.7
≥ 1000	61.2	70.0	72.0	73.0	73.9	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.7	74.8	74.8	74.8
≥ 800	62.7	71.8	73.9	74.9	75.8	76.1	76.3	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.7	76.7
≥ 600	63.0	72.3	74.4	75.3	76.3	76.6	76.7	76.8	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.1
≥ 400	64.5	73.9	76.0	76.9	77.9	78.2	78.4	78.4	78.4	78.5	78.6	78.6	78.7	78.7	78.7	78.7
≥ 200	65.5	75.1	77.2	78.3	79.3	79.5	79.7	79.8	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.1
≥ 100	67.0	76.7	78.9	80.1	81.0	81.3	81.5	81.6	81.6	81.7	81.7	81.7	81.8	81.9	81.9	81.9
≥ 5000	68.0	78.1	80.4	81.6	82.6	82.8	83.0	83.1	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.4
≥ 4500	68.9	79.3	81.7	82.8	83.9	84.1	84.4	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.8	84.8
≥ 4000	70.1	80.7	83.3	84.5	85.5	85.8	86.0	86.1	86.1	86.2	86.3	86.3	86.4	86.4	86.4	86.4
≥ 3500	70.6	81.4	84.0	85.3	86.4	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.3	87.3
≥ 3000	71.3	83.0	85.7	87.0	88.2	88.5	88.8	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.1
≥ 2500	73.1	84.4	87.4	88.8	90.1	90.4	90.7	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1
≥ 2000	74.6	86.3	89.4	90.7	92.2	92.6	93.1	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.6	93.6
≥ 1800	74.9	86.7	89.8	91.2	92.8	93.2	93.6	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.1	94.1
≥ 1600	75.8	87.8	91.0	92.4	94.0	94.4	94.9	95.1	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.4
≥ 1400	76.6	88.8	92.1	93.6	95.3	95.7	96.2	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.8	96.8
≥ 1200	76.9	89.3	92.6	94.3	96.1	96.5	97.1	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.7	97.7
≥ 1000	76.9	89.5	92.9	94.6	96.4	96.9	97.4	97.6	97.6	97.8	97.8	97.8	97.9	98.0	98.0	98.0
≥ 900	77.0	89.6	93.0	94.7	96.6	97.1	97.7	97.9	98.0	98.2	98.2	98.2	98.3	98.4	98.4	98.4
≥ 800	77.0	89.6	93.1	94.9	96.9	97.4	98.1	98.3	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7
≥ 700	77.1	89.8	93.3	95.1	97.1	97.7	98.4	98.6	98.6	98.9	98.9	98.9	99.0	99.1	99.1	99.1
≥ 600	77.1	89.8	93.4	95.2	97.2	97.8	98.6	98.9	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 500	77.1	89.8	93.4	95.2	97.3	97.9	98.7	99.0	99.1	99.3	99.4	99.4	99.6	99.7	99.7	99.7
≥ 400	77.1	89.8	93.4	95.2	97.4	98.0	98.8	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.9	99.9
≥ 300	77.1	89.8	93.4	95.2	97.4	98.0	98.8	99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9
≥ 200	77.1	89.8	93.4	95.2	97.4	98.0	98.8	99.1	99.2	99.5	99.6	99.6	99.8	99.9	100.0	100.0
≥ 100	77.1	89.8	93.4	95.2	97.4	98.0	98.8	99.1	99.2	99.5	99.6	99.6	99.8	99.9	100.0	100.0
≥ 0	77.1	89.8	93.4	95.2	97.4	98.0	98.8	99.1	99.2	99.5	99.6	99.6	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3058

CEILING VERSUS VISIBILITY

AK

1200-1400

[illegible]TOTAL NUMBER OF OBSERVATIONS 3058

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

AK

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
> 1000	55.7	59.1	60.0	60.5	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
> 900	64.2	68.3	69.8	70.0	70.0	70.7	70.7	70.9	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
> 800	64.7	69.3	70.3	70.9	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
> 700	65.7	70.3	71.4	71.9	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
> 600	67.6	72.5	73.5	74.1	74.4	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
> 500	70.0	75.2	76.3	76.9	77.1	77.2	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
> 400	71.8	77.2	78.3	78.9	79.2	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
> 300	72.1	77.6	78.7	79.3	79.6	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
> 200	73.2	78.8	79.9	80.5	80.8	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
> 100	74.5	80.3	81.4	82.1	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
> 50	75.6	81.5	82.7	83.5	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
> 0	77.2	83.5	84.7	85.4	85.8	85.9	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
< 4500	77.9	84.7	85.4	86.2	86.6	86.7	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
< 4000	79.0	85.6	86.8	87.7	88.0	88.1	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
< 3500	80.3	87.0	88.2	89.1	89.5	89.6	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
< 3000	82.5	89.8	91.1	92.0	92.5	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
< 2500	84.0	91.5	92.9	93.8	94.4	94.6	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
< 2000	85.0	93.0	94.4	95.4	96.0	96.3	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
< 1500	85.1	93.0	94.4	95.4	96.1	96.4	96.6	96.8	96.8	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
< 1000	85.3	93.5	94.9	96.0	96.8	97.0	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
< 900	85.4	93.8	95.4	96.5	97.4	97.7	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
< 800	85.5	94.1	95.8	97.1	98.2	98.5	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
< 700	85.5	94.2	95.8	97.2	98.3	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
< 600	85.5	94.2	95.8	97.3	98.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
< 500	85.5	94.2	95.8	97.3	98.6	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
< 400	85.5	94.2	95.8	97.4	98.6	99.0	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 300	85.5	94.2	95.9	97.4	98.6	99.0	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 200	85.5	94.2	95.9	97.4	98.6	99.0	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 100	85.5	94.2	95.9	97.4	98.6	99.0	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 0	85.5	94.2	95.9	97.4	98.6	99.0	99.5	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23205 MCCLELLA AFB CALIF/SACRAMENT

41-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-2000

	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
1000	63.4	66.5	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
900	69.2	73.0	73.0	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
800	59.4	73.2	73.9	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
700	70.1	74.0	74.0	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
600	72.1	76.3	76.7	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
500	74.4	78.5	79.1	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
400	76.4	80.6	81.3	82.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
300	77.1	81.3	82.0	82.7	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
200	78.3	82.8	83.5	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
100	79.2	84.0	84.7	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
50	80.5	85.6	86.3	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
0	82.5	87.8	88.6	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1000	83.5	88.9	89.7	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
900	84.7	90.3	91.2	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
800	85.5	91.3	92.3	93.2	93.4	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
700	86.9	93.0	94.2	95.1	95.3	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
600	87.5	93.9	95.1	96.1	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
500	88.2	95.0	96.4	97.4	97.7	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400	88.3	95.1	96.5	97.5	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
300	88.3	95.4	96.8	97.8	98.1	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	88.5	95.6	97.1	98.2	98.5	98.6	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
100	88.6	95.9	97.4	98.6	99.0	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
50	88.6	95.9	97.5	98.6	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	88.6	95.9	97.5	98.7	99.2	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	88.6	96.0	97.6	98.8	99.3	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	88.6	96.1	97.6	98.8	99.4	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2962

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAL

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

1000	58.7	72.3	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
900	72.4	76.5	77.1	77.4	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
800	72.7	76.8	77.4	77.7	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
700	72.9	77.0	77.6	77.9	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
600	74.3	78.4	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
500	76.1	80.3	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
400	78.2	82.7	83.3	83.7	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
300	78.7	83.3	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
200	79.8	84.5	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
100	81.1	85.8	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
50	82.3	87.1	87.7	88.0	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
0	84.2	89.1	89.7	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1000	85.2	90.2	90.9	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6
900	85.9	91.2	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
800	87.1	92.7	93.5	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
700	88.3	94.4	95.3	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
600	88.6	95.1	96.1	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
500	89.3	96.0	97.1	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
400	89.4	96.3	97.3	98.0	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
300	89.5	96.5	97.7	98.4	98.6	98.6	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
200	89.5	96.5	97.7	98.4	98.7	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
100	89.6	96.7	97.9	98.7	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
50	89.6	96.8	98.1	98.9	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	89.7	97.0	98.3	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
1000	89.7	97.1	98.4	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
900	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
800	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
700	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
600	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
500	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
400	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
300	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
200	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
100	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
0	89.7	97.1	98.4	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2960

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCLELLA AFB CALIF/SACRAMENTO 41-74

4PR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

1000	76.7	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
900	79.2	82.4	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
800	79.4	82.6	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
700	80.0	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
600	81.0	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
500	82.2	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
400	83.4	84.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
300	83.7	87.2	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
200	84.6	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
100	85.0	89.5	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
50	87.1	90.8	91.7	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
0	88.7	92.5	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1000	89.4	93.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
900	90.1	94.2	94.7	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
800	91.0	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
700	91.5	96.1	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
600	92.2	96.8	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
500	92.5	97.2	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
400	92.5	97.3	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
300	92.7	97.5	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
200	92.8	97.7	98.5	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100	93.1	98.0	98.8	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
50	93.1	98.0	98.8	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	93.2	98.1	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	93.3	98.3	99.1	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	93.4	98.5	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	93.5	98.6	99.3	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	93.5	98.6	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

2863

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCLELLAN AFB CALIF/SACRAMENTO 41-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING	70.9	75.0	76.3	76.5	76.8	76.9	77.2	77.2	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.7
≥ 2000	74.1	79.0	79.7	79.9	80.2	80.3	80.6	80.7	80.7	80.8	80.9	80.9	80.9	80.9	80.9	81.1
≥ 1800	74.3	79.2	79.9	80.1	80.5	80.5	80.8	80.9	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.3
≥ 1600	74.6	79.4	80.1	80.4	80.7	80.7	81.0	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.6
≥ 1400	75.6	80.5	81.2	81.5	81.8	81.8	82.1	82.2	82.2	82.3	82.4	82.4	82.5	82.5	82.5	82.7
≥ 1200	76.9	81.9	82.5	82.8	83.1	83.2	83.5	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8	84.0
≥ 1000	78.4	83.5	84.2	84.5	84.8	84.8	85.1	85.2	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.7
≥ 900	78.8	83.9	84.6	84.9	85.2	85.2	85.5	85.6	85.6	85.7	85.8	85.8	85.9	85.9	85.9	86.0
≥ 800	79.7	84.9	85.6	85.9	86.2	86.2	86.6	86.6	86.6	86.7	86.8	86.8	86.9	86.9	86.9	87.1
≥ 700	80.7	86.2	86.8	87.1	87.4	87.5	87.8	87.9	87.9	88.0	88.1	88.1	88.2	88.2	88.2	88.3
≥ 600	81.9	87.6	88.3	88.6	88.9	88.9	89.2	89.3	89.3	89.4	89.5	89.5	89.6	89.6	89.6	89.8
≥ 500	83.1	88.9	89.6	89.9	90.2	90.3	90.6	90.6	90.6	90.8	90.9	90.9	90.9	90.9	90.9	91.1
≥ 450	83.9	90.0	90.6	90.9	91.2	91.3	91.6	91.7	91.7	91.8	91.9	91.9	92.0	92.0	92.0	92.1
≥ 400	84.5	90.8	91.5	91.8	92.1	92.2	92.6	92.6	92.6	92.7	92.8	92.8	92.9	92.9	92.9	93.1
≥ 350	85.2	91.7	92.6	92.9	93.3	93.4	93.7	93.8	93.8	93.9	94.0	94.0	94.1	94.1	94.1	94.2
≥ 300	85.9	92.9	93.9	94.2	94.6	94.7	95.0	95.1	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.6
≥ 250	86.6	93.7	94.7	95.1	95.5	95.5	95.9	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.4
≥ 200	87.1	94.3	95.4	95.7	96.2	96.3	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.1
≥ 1800	87.2	94.5	95.5	95.9	96.4	96.5	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.3
≥ 1500	87.4	94.8	95.9	96.3	96.9	97.0	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.7	97.9
≥ 1200	87.7	95.3	96.3	96.8	97.4	97.5	97.8	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.4
≥ 1000	88.0	95.7	96.8	97.2	97.8	97.9	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.8
≥ 900	88.1	95.7	96.9	97.3	97.9	98.0	98.4	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.9
≥ 800	88.1	96.0	97.1	97.5	98.2	98.3	98.7	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.2
≥ 700	88.1	96.2	97.3	97.8	98.4	98.5	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.5
≥ 600	88.2	96.2	97.4	97.8	98.5	98.6	99.1	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.6
≥ 500	88.2	96.2	97.4	97.9	98.6	98.7	99.2	99.3	99.3	99.4	99.5	99.5	99.7	99.7	99.7	99.8
≥ 400	88.2	96.2	97.4	97.9	98.6	98.7	99.2	99.3	99.3	99.4	99.5	99.5	99.7	99.7	99.7	99.9
≥ 300	88.2	96.2	97.4	97.9	98.6	98.7	99.2	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.9
≥ 200	88.2	96.2	97.4	97.9	98.6	98.7	99.2	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.8	99.9
≥ 100	88.2	96.2	97.4	97.9	98.6	98.7	99.2	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.8	99.9
≥ 0	88.2	96.2	97.4	97.9	98.6	98.7	99.2	99.3	99.3	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2865

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0300

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	60.2	66.0	68.1	68.6	69.4	69.6	70.1	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.5
≥ 20000	66.0	73.8	75.5	76.0	76.8	77.0	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.0
IV 8000	66.1	73.9	75.6	76.2	76.9	77.2	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.1
IV 6000	66.3	74.2	75.9	76.4	77.2	77.4	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.3	78.4
IV 4000	67.2	75.1	76.8	77.4	78.2	78.4	78.9	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.3	79.4
IV 2000	68.7	77.0	78.8	79.4	80.2	80.4	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.3	81.4
IV 0000	69.9	78.4	80.1	80.8	81.6	81.9	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.8
IV 9000	70.6	79.0	80.8	81.4	82.3	82.5	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.4	83.5
IV 8000	71.8	80.3	82.1	82.7	83.6	83.8	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.8
IV 7000	73.2	81.9	83.7	84.4	85.2	85.5	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.4
IV 6000	74.4	83.2	85.0	85.7	86.6	86.8	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.8
IV 5000	75.5	84.5	86.3	87.0	88.0	88.2	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.2
IV 4500	76.2	85.3	87.2	87.9	89.0	89.2	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.2
IV 4000	77.1	86.4	88.2	89.0	90.1	90.3	90.9	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.3
IV 3500	77.8	87.3	89.4	90.1	91.3	91.5	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.5	92.6
IV 3000	78.5	88.2	90.3	91.1	92.3	92.5	93.1	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.5	93.6
IV 2500	78.9	88.6	90.7	91.6	92.8	93.1	93.7	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.1
IV 2000	79.5	89.5	91.6	92.5	93.9	94.1	94.7	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.1	95.2
IV 1800	79.5	89.6	91.7	92.6	94.0	94.2	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.3
IV 1500	79.7	89.9	92.1	93.1	94.5	94.7	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.8	95.9
IV 1200	80.3	90.6	92.8	93.8	95.2	95.5	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.5	96.6
IV 1000	80.7	91.2	93.4	94.5	96.3	96.5	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 900	80.9	91.5	93.7	94.8	96.6	96.9	97.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.0	98.1
IV 800	81.1	91.7	93.9	95.0	97.0	97.2	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5
IV 700	81.2	91.9	94.2	95.3	97.4	97.7	98.5	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 600	81.2	91.9	94.2	95.4	97.5	97.8	98.7	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.2
IV 500	81.2	92.0	94.3	95.5	97.6	98.0	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.5
IV 400	81.2	92.0	94.3	95.5	97.7	98.2	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.7
IV 300	81.2	92.1	94.4	95.6	97.8	98.2	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.8
IV 200	81.2	92.1	94.4	95.6	97.8	98.2	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.8
IV 100	81.2	92.1	94.4	95.6	97.8	98.2	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.8
IV 0	81.2	92.1	94.4	95.6	97.8	98.2	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2921

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATISTICALS															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	61.2	66.3	67.5	67.7	68.2	68.7	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000	68.9	74.9	76.2	76.3	76.9	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 8000	69.3	75.4	76.7	76.8	77.4	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	69.7	75.9	77.1	77.3	77.8	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4000	70.8	77.1	78.5	78.6	79.2	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2000	71.8	78.2	79.6	79.8	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1000	72.8	79.4	80.8	80.9	81.5	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 900	73.2	79.8	81.2	81.4	81.9	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 800	74.4	81.0	82.4	82.6	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 700	75.2	82.0	83.4	83.6	84.2	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 6000	75.8	82.5	84.0	84.2	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 5000	77.0	83.9	85.3	85.5	86.1	86.3	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 4500	77.7	84.8	86.2	86.4	87.1	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	78.9	86.2	87.7	88.0	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	79.8	87.2	88.7	89.0	89.7	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3000	81.4	88.9	90.5	90.8	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	82.9	90.7	92.3	92.6	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	84.4	92.4	94.1	94.4	95.3	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500	84.6	92.9	94.6	94.9	95.8	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	85.8	94.6	96.6	97.0	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	86.0	95.0	97.1	97.5	98.7	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	86.0	95.0	97.2	97.6	98.8	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	86.1	95.2	97.4	97.8	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	86.1	95.2	97.4	97.8	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	86.1	95.2	97.4	97.8	99.2	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	86.1	95.2	97.4	97.8	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	86.1	95.2	97.4	97.8	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	86.1	95.2	97.4	97.8	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	86.1	95.2	97.4	97.8	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	86.1	95.2	97.4	97.8	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2953

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005	≥ .0025	≥ .001
NO CEILING	61.5	64.9	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	72.3	76.4	77.0	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 8000	73.0	77.0	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 6000	73.4	77.5	78.1	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4000	74.6	78.7	79.3	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 2000	75.7	79.8	80.5	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1000	76.7	81.0	81.6	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 800	76.9	81.3	81.9	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 600	77.9	82.4	83.0	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 400	78.4	83.0	83.7	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 300	79.4	84.1	84.8	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 200	80.4	85.2	85.9	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 150	81.4	86.3	86.9	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 100	83.6	88.6	89.3	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 75	85.1	90.1	90.8	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 50	87.5	92.9	93.7	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 25	88.6	94.4	95.3	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 15	89.8	95.7	96.6	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 10	89.9	95.9	96.8	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 7.5	90.3	96.5	97.5	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 5	90.4	96.6	97.7	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3.5	90.5	96.7	97.7	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2.5	90.5	96.7	97.8	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1.5	90.5	96.7	97.8	98.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1	90.5	96.7	97.8	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV .75	90.5	96.8	97.8	98.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .5	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .35	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .25	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .15	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .1	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .075	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .05	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .025	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .01	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .005	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .0025	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV .001	90.5	96.8	97.8	98.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2949

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2320P MCCLELLA AFB CALIF/SACRAMENTO 40-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATISTICAL VALUES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	65.2	67.9	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6
≥ 7000	76.5	79.9	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8
IV 6000	77.1	80.5	80.8	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 6000	77.8	81.2	81.5	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4000	79.5	82.9	83.2	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8
IV 4000	80.6	84.0	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
IV 3000	81.6	85.1	85.5	85.8	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	81.9	85.5	85.9	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6
IV 8000	82.5	86.1	86.5	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 8000	83.1	86.9	87.3	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0
IV 6000	84.1	88.0	88.4	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1
IV 5000	85.0	89.0	89.5	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2
IV 4500	86.3	90.5	91.0	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7
IV 4000	88.1	92.8	93.3	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 3500	88.8	93.6	94.1	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 3000	90.5	95.4	96.1	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2500	91.2	96.3	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
IV 2000	91.6	96.8	97.5	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	91.7	97.0	97.7	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	91.8	97.2	97.9	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 1200	91.8	97.2	97.9	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	91.8	97.2	98.0	98.8	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV 900	91.8	97.3	98.1	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 800	91.8	97.3	98.1	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	91.8	97.3	98.1	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	91.8	97.3	98.1	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	91.9	97.4	98.2	99.1	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	92.0	97.5	98.3	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	92.0	97.5	98.3	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	92.0	97.5	98.3	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	92.0	97.5	98.3	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	92.0	97.5	98.3	99.1	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2918

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA'1 AFB CALIF/SACRAMENTO 41-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	70.8	73.4	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 10000	77.8	81.0	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 8000	78.6	81.8	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	79.0	82.2	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	80.8	84.0	84.4	84.6	84.6	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2000	82.6	85.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1000	84.1	87.4	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 800	84.5	87.9	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 600	85.5	89.0	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 400	86.7	90.3	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 200	87.6	91.3	91.7	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 100	89.1	93.0	93.5	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 0	89.7	93.5	94.1	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 10000	90.4	94.5	95.0	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 8000	91.0	95.5	96.0	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 6000	91.7	96.3	96.9	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4000	92.2	97.2	97.8	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	92.4	97.7	98.3	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	92.4	97.7	98.3	98.8	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	92.4	97.8	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.5	97.9	98.7	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	92.5	98.0	98.8	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.5	98.0	98.8	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	92.5	98.0	98.8	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	92.5	98.0	98.8	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2858

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23200 MCLELLA AFB CALIF/SACRAMENTO 41-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATISTICS															
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	77.6	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 7000	80.7	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	81.1	83.2	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	81.3	83.4	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4000	81.9	84.0	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3000	83.9	85.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	85.0	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	85.5	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 8000	86.7	87.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 7000	88.1	90.7	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 6000	89.0	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 5000	91.0	94.0	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4500	91.3	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 4000	91.9	95.1	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 3500	92.9	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 3000	93.4	97.2	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2500	94.0	98.0	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	94.3	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	94.3	98.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	94.3	98.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	94.5	98.8	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	94.6	99.0	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	94.6	99.0	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	94.6	99.0	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	94.6	99.0	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	94.7	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	94.7	99.0	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	94.7	99.0	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	94.7	99.0	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.7	99.0	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.7	99.0	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.7	99.0	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2865

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATISTICS															
	20	24	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	82.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
> 2000	85.2	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 500	85.4	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 400	85.5	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 300	86.4	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 200	87.9	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 100	89.1	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 0	89.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 800	90.3	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	90.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 600	92.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	92.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 450	93.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 400	94.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 350	94.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 300	94.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 250	95.3	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	95.8	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 180	96.0	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 150	96.2	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	96.7	98.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	97.1	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	97.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	97.4	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	97.5	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	97.5	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	97.5	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.5	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2966

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATISTICS															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
NO CEILING	76.1	79.3	79.5	79.6	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2000	79.2	82.5	82.9	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 8000	79.4	82.8	83.1	83.2	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 6000	79.5	82.9	83.2	83.3	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000	80.7	84.0	84.3	84.4	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000	82.1	85.5	85.8	85.9	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1000	83.4	86.8	87.1	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 800	83.8	87.1	87.4	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 600	84.4	87.9	88.2	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 400	84.8	88.3	88.6	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 200	86.3	90.0	90.3	90.4	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 100	87.4	91.1	91.4	91.6	91.7	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 80	87.8	91.6	92.0	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 60	88.5	92.5	92.9	93.0	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 40	89.0	93.1	93.4	93.6	93.7	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 20	89.5	93.7	94.0	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 10	90.0	94.1	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 5	90.3	94.7	95.0	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 2	90.4	94.8	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1	90.7	95.1	95.5	95.7	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 0	91.5	95.9	96.7	96.5	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 0.5	92.2	96.7	97.1	97.4	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 0.2	92.5	97.1	97.5	97.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0.1	92.9	97.7	98.0	98.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0.05	93.1	98.1	98.5	98.9	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0.02	93.2	98.2	98.6	99.0	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0.01	93.3	98.4	98.9	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0.005	93.4	98.4	98.9	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0.002	93.4	98.4	98.9	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0.001	93.4	98.4	98.9	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0.000	93.4	98.4	98.9	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2957

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA, AFH CALIF/SACRAMENTO 40-72

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0300

CEILING FEET		VISIBILITY STATUTES															
		27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	68.3	74.5	75.2	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1000	73.5	80.4	81.0	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 900	73.8	80.7	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
≥ 800	74.1	81.0	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2
≥ 4000	75.2	82.1	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
≥ 3000	77.4	84.3	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
≥ 2000	78.6	85.5	86.2	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 1500	79.1	86.1	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3
≥ 1000	80.1	87.1	87.7	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	80.7	87.9	88.6	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 800	81.5	88.8	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 700	82.0	89.3	90.0	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 600	82.6	89.9	90.7	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	83.3	90.6	91.4	91.7	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1
≥ 400	83.5	90.8	91.7	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
≥ 300	83.9	91.4	92.2	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
≥ 200	84.5	92.3	93.1	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
≥ 100	85.2	93.2	94.0	94.3	94.6	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 100	85.3	93.4	94.2	94.5	94.9	94.9	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2
≥ 100	86.0	94.1	95.0	95.3	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0
≥ 100	87.0	95.2	96.1	96.4	96.8	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 100	87.6	96.1	97.1	97.4	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 100	88.0	96.6	97.6	98.0	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 100	88.0	96.8	97.8	98.2	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 100	88.2	96.9	98.0	98.4	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 100	88.2	97.0	98.1	98.5	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 100	88.3	97.0	98.2	98.6	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	88.3	97.0	98.2	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	88.3	97.0	98.2	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	88.3	97.0	98.2	98.6	99.5	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23205 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

14Y

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
2000	70.5	75.1	75.6	75.8	75.8	75.5	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
1800	77.4	82.6	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
1600	77.6	82.8	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
1400	78.0	83.2	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1200	78.7	84.0	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
1000	79.7	85.0	85.0	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
800	80.6	86.0	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
600	80.8	86.2	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
400	81.4	86.8	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
200	82.1	87.5	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
100	82.7	88.1	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
0	83.2	88.0	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2000	83.6	89.0	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1800	84.7	90.2	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
1600	85.1	90.7	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1400	87.0	92.6	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1200	88.7	94.5	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1000	90.4	96.3	97.0	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
800	90.7	96.7	97.4	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600	91.0	97.2	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
400	91.4	97.6	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
200	91.6	97.9	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
100	91.6	98.0	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2000	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1800	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1600	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1400	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1200	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1000	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
800	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
600	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
400	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
200	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
100	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	91.6	98.1	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3050

CEILING VERSUS VISIBILITY

23206

MCCLELLA - AFB CALIF/SACRAMENTO

40-72

-4Y

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

	71.8	74.0	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
A	30.4	32.9	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
B	30.6	33.1	33.3	33.4	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
C	31.4	33.9	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
D	32.1	34.7	35.0	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
E	33.2	35.7	36.0	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
F	34.1	36.7	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
G	34.4	37.0	37.3	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
H	35.0	37.5	37.6	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
I	35.7	38.3	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
J	36.3	39.0	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
K	37.6	40.4	40.7	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
L	38.5	41.4	41.7	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
M	39.8	42.7	43.0	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
N	40.8	43.7	44.0	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
O	42.7	45.7	46.0	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
P	44.5	47.6	48.0	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
Q	45.0	48.3	48.6	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
R	45.1	48.4	48.9	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
S	45.2	48.7	49.2	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
T	45.2	48.7	49.2	49.5	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
U	45.3	48.8	49.4	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
V	45.4	48.9	49.4	49.7	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
W	45.4	48.9	49.5	49.8	49.8	49.9	49.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
X	45.4	48.9	49.5	49.8	49.8	49.9	49.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Y	45.4	48.9	49.5	49.8	49.8	49.9	49.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Z	45.4	48.9	49.5	49.8	49.8	49										

TOTAL NUMBER OF OBSERVATIONS

3057

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

11AY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)		USABILITY STATISTICS															
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
NO CEILING		73.1	74.3	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000		82.3	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV	8000	82.5	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV	6000	83.2	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV	4000	84.6	86.1	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV	2000	86.2	87.8	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV	1000	87.5	89.2	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV	800	87.9	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV	600	88.6	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV	400	89.4	91.2	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV	200	89.7	91.7	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV	100	90.7	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV	80	91.8	93.7	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV	60	92.3	95.2	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV	40	94.2	96.3	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV	20	95.3	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV	10	96.3	98.4	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV	8	96.6	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	6	96.6	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	4	96.6	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	2	96.6	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	1	96.6	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	1800	96.6	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	1500	96.7	99.2	99.5	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV	1200	96.8	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	1000	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	900	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	800	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	700	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	600	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	500	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	400	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	300	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	200	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	100	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV	0	96.8	99.2	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3023

USAF ETAC

FORM
FD-64

0-14.5 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

4AY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING "FEET"	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	75.7	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 20000	83.4	84.8	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 5000	83.9	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 6000	84.2	85.6	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4000	86.1	87.5	87.6	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	88.3	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 0000	90.3	91.7	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 9000	90.5	91.9	92.0	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 8000	91.4	92.8	92.9	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 7000	91.8	93.3	93.4	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 6000	92.7	94.3	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 5000	93.5	95.1	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 4500	94.4	96.0	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4000	95.6	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3500	96.0	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 3000	96.8	98.6	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500	97.1	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	97.3	99.3	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	97.3	99.3	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	97.4	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	97.4	99.4	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.4	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	97.4	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2959

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

1AY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	83.3	83.3	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 20000	86.5	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 5000	86.7	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 6000	87.0	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4000	88.2	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	89.8	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 3000	91.1	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 9000	91.5	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 8000	92.5	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 7000	93.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 6000	94.4	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 4000	95.0	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 4500	95.7	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 4000	96.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3500	97.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	97.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2500	97.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	97.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	97.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	98.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	98.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2959

USAF ETAC

FORM
JUN 64

0-14-5(OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA, AFB CALIF/SACRAMENTO 41-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
NO CEILING ≥ 20000	91.6	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 8000	93.3	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 6000	93.4	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 4000	93.5	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	93.8	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1000	94.6	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800	95.3	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 600	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 50	97.4	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 3000	97.8	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2500	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1600	98.3	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1400	98.4	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	98.4	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	99.0	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2813

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23206 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	84.9	87.4	87.6	87.7	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 20000	87.3	89.9	90.1	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 8000	87.5	90.0	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 6000	87.5	90.0	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 4000	88.2	90.8	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000	89.4	92.0	92.2	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2000	90.6	93.1	93.3	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	90.9	93.5	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 8000	91.5	94.1	94.3	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 7000	92.1	94.8	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 6000	92.4	95.1	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 5000	92.9	95.5	95.7	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 4500	93.0	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 4000	93.0	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 3500	93.2	95.9	96.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 3000	93.3	96.0	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2500	93.5	96.2	96.5	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	93.6	96.3	96.6	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1800	93.6	96.4	96.6	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500	94.1	96.9	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	94.5	97.5	97.7	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	95.5	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	95.7	98.9	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	96.0	99.2	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	96.1	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	96.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.1	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.1	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.1	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.1	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.1	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.1	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2868

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	79.5	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2000	83.2	88.6	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 8000	83.5	88.9	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 4000	83.6	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4000	84.1	89.6	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2000	85.8	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 6000	86.7	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 9000	87.2	92.8	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 8000	88.0	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 7000	88.3	93.9	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 6000	88.7	94.3	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 5000	89.2	94.8	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 4500	89.3	94.9	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 4000	89.3	95.0	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 3500	89.4	95.1	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 3000	89.6	95.2	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2500	89.6	95.4	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2000	89.9	95.7	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	90.1	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	90.4	96.4	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	91.0	97.0	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	91.9	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	92.1	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	92.4	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	92.4	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	92.4	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	92.4	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	92.4	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	92.4	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	92.4	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	92.4	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	92.4	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2897

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFB CALIF/SACRAMENTO

40-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 0	≥ 5	≥ 10	≥ 15	≥ 20	≥ 25	≥ 30	≥ 35	≥ 40	≥ 45	≥ 50	≥ 55	≥ 60	≥ 65	≥ 70	≥ 75
NO CEILING	82.3	86.3	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 10000	86.7	91.1	91.3	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 8000	86.9	91.2	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 6000	87.2	91.6	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 4000	87.6	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	88.5	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	88.9	93.3	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800	89.3	93.7	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	89.9	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400	90.2	94.8	95.0	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	90.4	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	90.9	95.6	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	91.1	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 50	91.3	96.0	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 25	91.8	96.5	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 10	92.5	97.3	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 5	93.2	98.0	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2	93.4	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1	93.4	98.3	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0.5	93.9	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.25	94.0	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0.1	94.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.05	94.1	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.025	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.01	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.005	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.0025	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.001	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.0005	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.00025	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.0001	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.00005	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.000025	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0.00001	94.1	99.3	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2898

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	83.4	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 12000	88.7	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 8000	88.9	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 6000	89.1	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	89.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	90.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000	90.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800	91.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	91.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400	91.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 200	92.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 100	92.4	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 50	92.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	93.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	94.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	95.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	95.8	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	95.9	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	95.9	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	96.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	96.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	96.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.1	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2900

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFN CALIF/SACRAMENTO

40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	84.7	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 20000	91.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 18000	91.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 16000	91.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 14000	92.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 12000	93.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 10000	94.5	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 9000	94.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 8000	95.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 7000	95.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 6000	95.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 5000	96.1	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 4500	96.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 4000	97.0	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3500	97.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 3000	97.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2500	97.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	98.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2905

USAF ETAC

FORM 64

0-14-5(OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2000	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1600	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1400	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 900	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 450	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 350	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 250	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 180	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 160	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 140	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 120	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 80	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 60	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 40	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2873

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 7000	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 8000	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 6000	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 4000	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 450	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 350	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 250	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 180	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 160	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 140	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 120	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 90	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 80	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 70	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 60	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 50	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 40	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 30	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2814

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET		VISIBILITY STATISTICS															
		≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	IV 2500	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2500	IV 2500	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1500	IV 1500	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	IV 1000	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 800	IV 800	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	IV 600	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	IV 400	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	IV 300	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	IV 200	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	IV 100	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	IV 500	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 450	IV 450	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	IV 400	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 350	IV 350	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	IV 300	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 250	IV 250	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	IV 200	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 150	IV 150	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	IV 100	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	IV 100	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	IV 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	IV 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	IV 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	IV 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	IV 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	IV 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	IV 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	IV 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	IV 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	IV 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	IV 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2962

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23205 MCLELLAN AFB CALIF/SACRAMENTO 40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	92.5	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	94.1	95.2	95.4	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	94.2	95.4	95.0	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1600	94.6	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1400	95.7	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	96.4	97.5	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	96.6	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	96.7	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	97.0	98.1	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	97.0	98.2	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	97.1	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	97.1	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 450	97.1	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	97.1	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 350	97.1	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	97.1	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 250	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 200	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 180	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 160	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 140	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 120	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 80	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 60	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 40	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 20	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0	97.2	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

3017

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

23296

MCCLELLA AFB CALIF/SACRAMENTO

40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-2300

CEILING	8000	7000	6000	5000	4000	3000	2000	1000	500	200	100	50	20	10	5	2	1	0
8000	88.0	92.3	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
7000	90.5	94.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
6000	90.7	95.1	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
5000	90.9	95.3	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
4000	91.9	95.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
3000	92.6	97.1	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2000	93.1	97.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	93.4	97.9	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
500	93.5	97.9	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	93.5	98.0	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	93.6	98.1	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
50	93.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20	93.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10	93.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
5	93.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2	93.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1	93.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0	93.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
8000	93.9	98.4	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
7000	93.9	98.6	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
6000	94.1	98.8	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
5000	94.3	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4000	94.4	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3000	94.4	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2000	94.5	99.2	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.5	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3946

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	88.0	93.7	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 7000	96.4	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 8000	90.5	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 4000	91.0	96.8	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 2000	91.5	97.4	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	92.1	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	92.4	98.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	92.5	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 4500	92.5	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 3500	92.5	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 3000	92.5	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2500	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	92.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

3039

USAF ETAC

FORM
2-64

0-14-5(OLA)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA: AFP CALIF/SACRAMENTO

40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATISTICS															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
NO CEILING	90.2	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	92.8	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 8000	93.2	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 6000	93.4	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4000	93.5	98.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	93.9	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0000	94.3	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 9000	94.4	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 8000	94.5	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	94.5	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 6000	94.5	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 5000	94.5	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4500	94.5	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4000	94.5	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 3500	94.5	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	94.6	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	94.6	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1600	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1400	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3054

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFB CALIF/SACRAMENTO

40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024	≥ 1/2048
NO CEILING	93.5	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 20000	96.4	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 8000	96.7	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 6000	96.9	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4000	97.2	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 3000	97.5	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	97.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	97.8	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1600	97.9	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1400	97.9	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	97.9	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	97.9	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	97.9	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.9	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	98.0	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.0	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.0	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.0	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.0	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.0	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.0	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.0	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3047

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATISTICS																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	94.5	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 20000	96.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 18000	97.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 6000	97.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4000	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 12000	98.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 8000	98.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3022

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005
NO CEILING	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 10000	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 8000	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 6000	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 4000	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 10000	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 8000	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 6000	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4000	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2964

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23202

MCCLELLA- AFB CALIF/SACRAMENTO

41-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	94.6	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 6000	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 6000	96.3	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 4000	97.1	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 4000	98.1	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 8000	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 8000	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 6000	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 6000	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 4500	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 4500	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3500	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3500	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2500	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2500	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	99.0	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.1	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2970

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

23298 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 0	≥ 5	≥ 10	≥ 15	≥ 20	≥ 25	≥ 30	≥ 35	≥ 40	≥ 45	≥ 50	≥ 55	≥ 60	≥ 65	≥ 70	≥ 75
NO CEILING	91.3	93.5	93.7	93.8	93.8	93.9	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	92.9	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	92.9	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1600	93.0	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1400	93.9	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	95.3	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	95.7	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	95.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	96.0	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	96.0	98.4	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	96.0	98.4	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	96.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 450	96.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	96.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 350	96.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	96.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 250	96.2	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	96.2	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 180	96.2	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 160	96.2	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 140	96.2	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 120	96.5	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	97.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 90	97.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 80	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 70	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 60	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 50	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 40	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 30	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10	97.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3032

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

HCCLELLAN AFB CALIF/SACRAMENTO

40-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	83.1	90.9	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 20000	85.5	93.5	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4
IV 8000	85.7	93.7	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6
IV 4000	85.8	93.8	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7
IV 2000	86.7	94.7	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	88.0	96.2	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	88.3	96.5	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	88.3	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
IV 400	88.7	96.9	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
IV 300	88.7	97.0	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 200	88.9	97.2	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
IV 1500	89.0	97.4	97.8	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	89.1	97.4	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
IV 800	89.1	97.5	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	89.1	97.5	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
IV 400	89.2	97.6	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
IV 300	89.2	97.6	98.0	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	89.2	97.6	98.0	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 150	89.5	97.9	98.3	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	89.7	98.2	98.6	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 80	90.1	98.6	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 60	90.1	98.7	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 40	90.2	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 30	90.2	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 20	90.3	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 10	90.3	99.0	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5	90.3	99.0	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.3	99.0	99.5	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3067

CEILING VERSUS VISIBILITY

AUG

0900-1100

TOTAL NUMBER OF OBSERVATIONS 3056

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	86.3	92.3	92.5	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	90.0	96.2	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 8000	90.2	96.3	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 6000	90.7	96.4	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 4000	90.8	97.0	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	91.5	97.8	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	92.0	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	92.0	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	92.1	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	92.2	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	92.2	98.5	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	92.3	98.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	92.3	98.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 50	92.3	98.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	92.3	98.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 50	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	92.7	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 50	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.8	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3057

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23206 MCCLELLA AFB CALIF/SACRAMENTO 40-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
NO CEILING	89.4	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 10000	93.5	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 8000	93.5	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 6000	93.6	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4000	94.5	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	95.3	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	95.5	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 9000	95.6	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 8000	95.6	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 7000	95.7	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	95.7	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 5000	95.8	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4500	95.8	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4000	95.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3500	95.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	95.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1600	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1400	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3051

CEILING VERSUS VISIBILITY

416

1800-2000

CEILING FEET	S.B. STAT. TEMPS															
	21	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	91.8	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
10000	94.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
8000	94.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
6000	94.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0
4000	95.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2000	96.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1000	97.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
8000	97.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
6000	97.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
4000	97.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
2000	97.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	97.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	97.6	99.9	99.9	99.9	100.0	100										

TOTAL NUMBER OF OBSERVATIONS 3034

CEILING VERSUS VISIBILITY

2006

7100-2300

TOTAL NUMBER OF OBSERVATIONS 2970

CEILING VERSUS VISIBILITY

LEP

0000-0200

TOTAL NUMBER OF OBSERVATIONS 2875

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 0	≥ 0.5	≥ 1	≥ 1.5	≥ 2	≥ 2.5	≥ 3	≥ 3.5	≥ 4	≥ 4.5	≥ 5	≥ 5.5	≥ 6	≥ 6.5	≥ 7	≥ 7.5
NO CEILING	68.7	83.3	86.3	87.7	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4
≥ 20000	70.9	85.9	89.0	90.4	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
IV 8000	71.2	86.1	89.2	90.7	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4
IV 4000	71.3	86.3	89.4	90.9	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.6
IV 2000	72.3	87.4	90.5	92.0	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.8
IV 1000	73.6	89.0	92.1	93.6	94.9	94.9	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.4
IV 500	74.3	89.9	93.0	94.4	95.7	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2
IV 200	74.5	90.0	93.1	94.6	95.8	95.9	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.4
IV 100	74.7	90.2	93.3	94.8	96.1	96.2	96.4	96.4	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.6
IV 50	74.8	90.3	93.4	94.9	96.2	96.2	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7
IV 25	75.0	90.5	93.6	95.1	96.4	96.4	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9
IV 12.5	75.3	90.9	94.0	95.4	96.7	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IV 6.25	75.3	90.9	94.0	95.4	96.7	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.3
IV 3.125	75.5	91.1	94.2	95.6	97.0	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5
IV 1.5625	75.5	91.2	94.3	95.8	97.1	97.2	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6
IV 0.78125	75.7	91.3	94.4	95.9	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IV 0.390625	75.8	91.4	94.5	96.0	97.3	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
IV 0.1953125	75.8	91.5	94.6	96.1	97.4	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.9	97.9	97.9	97.9
IV 0.09765625	76.0	91.6	94.7	96.2	97.5	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 0.048828125	76.0	91.7	94.8	96.3	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
IV 0.0244140625	76.3	92.0	95.1	96.6	98.0	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5
IV 0.01220703125	76.5	92.4	95.5	97.1	98.4	98.5	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0
IV 0.006103515625	76.7	92.6	95.7	97.4	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3
IV 0.0030517578125	76.8	92.8	95.9	97.6	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5
IV 0.00152587890625	76.8	92.8	95.9	97.6	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5
IV 0.000762939453125	76.8	92.9	96.0	97.7	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.7
IV 0.0003814697265625	76.8	92.9	96.0	97.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 0.00019073486328125	76.8	92.9	96.0	97.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 0.000095367431640625	76.8	92.9	96.0	97.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0
IV 0.0000476837158203125	76.8	92.9	96.0	97.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0
IV 0.00002384185791015625	76.8	92.9	96.0	97.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0
IV 0.000011920928955078125	76.8	92.9	96.0	97.7	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2962

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

23209

MCCLFLLA AF SACRAMENTO

40-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTES															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	73.6	86.0	88.0	88.7	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	77.4	90.4	92.4	93.1	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 8000	77.7	90.6	92.7	93.5	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 6000	77.9	91.0	93.0	93.8	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4000	78.5	91.6	93.7	94.4	94.8	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	79.3	92.4	94.5	95.3	95.7	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 0000	80.0	93.2	95.2	96.0	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 9000	80.2	93.5	95.5	96.3	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 8000	80.5	93.7	95.7	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 7000	80.6	93.8	95.9	96.7	97.1	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 6000	80.7	94.0	96.0	96.8	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 5000	81.0	94.3	96.4	97.2	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 4500	81.1	94.4	96.5	97.3	97.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 4000	81.5	94.9	97.0	97.7	98.2	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3500	81.7	95.1	97.2	98.0	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 3000	81.9	95.3	97.4	98.2	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500	82.2	95.5	97.6	98.4	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2000	82.3	95.7	97.8	98.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	82.3	95.7	97.8	98.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	82.6	96.0	98.1	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	82.6	96.0	98.1	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	82.7	96.2	98.2	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	82.7	96.2	98.2	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	82.7	96.2	98.3	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

2962

23208

40-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

TOTAL NUMBER OF OBSERVATIONS 2960

CEILING VERSUS VISIBILITY

SEP

1800-2000

TOTAL NUMBER OF OBSERVATIONS 2934

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA AFB CALIF/SACRAMENTO 41-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	90.4	94.3	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	91.6	95.7	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 8000	91.6	95.7	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 6000	91.8	95.8	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 4000	92.4	96.0	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2000	93.2	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	93.6	97.7	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	93.6	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	94.1	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	94.2	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 3000	94.4	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2500	94.6	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2000	94.6	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	94.7	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	94.8	98.9	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	94.9	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	95.0	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	95.0	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	95.0	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	95.1	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	95.1	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 80	95.1	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 60	95.1	99.3	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 40	95.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 30	95.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20	95.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10	95.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.2	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2874

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFB CALIF/SACRAMENTO

40-72

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	68.2	79.4	81.4	82.7	83.7	83.8	84.2	84.3	84.3	84.4	84.5	84.5	84.6	84.6	84.7	85.0
IV 10000	69.6	81.0	82.9	84.4	85.4	85.5	85.9	86.0	86.0	86.1	86.2	86.2	86.3	86.3	86.4	86.7
IV 8000	69.7	81.2	83.0	84.5	85.5	85.6	86.1	86.1	86.1	86.3	86.3	86.3	86.4	86.4	86.6	86.9
IV 6000	69.9	81.3	83.2	84.7	85.7	85.8	86.2	86.3	86.3	86.4	86.5	86.5	86.6	86.6	86.7	87.0
IV 4000	70.2	81.9	83.8	85.3	86.3	86.4	86.9	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.4	87.7
IV 2000	71.4	83.3	85.2	86.7	87.7	87.8	88.3	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.8	89.1
IV 1000	72.4	84.5	86.4	87.9	88.9	89.1	89.5	89.5	89.5	89.7	89.7	89.7	89.8	89.8	90.0	90.3
IV 800	72.5	84.6	86.6	88.1	89.1	89.2	89.6	89.7	89.7	89.8	89.9	89.9	90.0	90.0	90.1	90.4
IV 600	72.8	85.0	87.0	88.5	89.6	89.7	90.1	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.6	90.9
IV 500	73.6	85.9	87.8	89.3	90.4	90.6	91.0	91.0	91.1	91.2	91.3	91.3	91.4	91.4	91.5	91.8
IV 400	74.1	86.4	88.4	89.9	91.0	91.2	91.6	91.6	91.7	91.8	91.9	91.9	92.0	92.0	92.1	92.4
IV 300	75.0	87.5	89.5	91.0	92.2	92.3	92.8	92.8	92.8	93.0	93.0	93.0	93.1	93.1	93.3	93.5
IV 250	75.3	87.9	89.8	91.4	92.5	92.8	93.2	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.7	94.0
IV 200	75.5	88.3	90.2	91.8	92.9	93.2	93.6	93.6	93.6	93.8	93.8	93.8	93.9	93.9	94.1	94.4
IV 150	76.0	88.8	90.8	92.3	93.5	93.7	94.1	94.1	94.2	94.3	94.4	94.4	94.5	94.5	94.6	94.9
IV 100	76.4	89.2	91.2	92.8	93.9	94.2	94.6	94.6	94.7	94.8	94.9	94.9	95.0	95.0	95.1	95.4
IV 80	76.7	89.6	91.7	93.2	94.4	94.6	95.1	95.1	95.1	95.3	95.3	95.3	95.4	95.4	95.6	95.9
IV 60	77.0	90.2	92.2	93.8	95.0	95.3	95.7	95.8	95.8	95.9	96.0	96.0	96.1	96.1	96.2	96.5
IV 40	77.2	90.4	92.4	94.0	95.2	95.4	95.9	95.9	96.0	96.1	96.2	96.2	96.3	96.3	96.4	96.7
IV 30	77.3	90.5	92.5	94.1	95.3	95.6	96.0	96.1	96.1	96.2	96.3	96.3	96.4	96.4	96.5	96.8
IV 20	77.4	90.7	92.7	94.3	95.6	95.8	96.3	96.4	96.4	96.5	96.6	96.6	96.7	96.7	96.8	97.1
IV 15	77.7	91.1	93.2	94.8	96.1	96.3	96.9	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.4	97.7
IV 10	77.8	91.3	93.3	95.0	96.3	96.6	97.1	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.9
IV 8	77.9	91.5	93.5	95.2	96.5	96.8	97.4	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.8	98.1
IV 6	77.9	91.6	93.7	95.4	96.8	97.0	97.6	97.6	97.7	97.8	97.8	97.8	97.9	97.9	98.1	98.4
IV 4	78.0	91.7	93.8	95.6	96.9	97.3	97.8	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.6
IV 3	78.0	91.7	93.9	95.6	97.0	97.3	97.9	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.5	98.8
IV 2	78.0	91.7	93.9	95.6	97.0	97.3	97.9	98.0	98.0	98.2	98.3	98.3	98.4	98.4	98.6	98.9
IV 1	78.0	91.8	93.9	95.7	97.0	97.4	97.9	98.1	98.1	98.4	98.4	98.4	98.6	98.6	98.7	99.1
IV 0	78.0	91.8	94.0	95.7	97.1	97.5	98.0	98.2	98.3	98.6	98.6	98.6	98.8	98.8	99.1	99.6
IV 0	78.0	91.8	94.0	95.7	97.1	97.5	98.1	98.3	98.3	98.6	98.7	98.7	98.9	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

3023

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA: AFB CALIF/SACRAMENTO

40-72

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0500

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	47.3	64.0	68.6	71.4	73.7	74.2	74.9	75.3	75.4	75.9	76.2	76.7	76.3	76.3	76.6	76.9
≥ 20000	49.8	67.6	72.7	75.5	77.9	78.4	79.1	79.6	79.7	80.2	80.5	80.5	80.6	80.6	80.9	81.3
IV 8000	50.1	67.9	73.1	75.9	78.3	78.9	79.8	80.0	80.1	80.7	80.9	80.9	81.0	81.1	81.3	81.7
IV 6000	50.3	68.3	73.4	76.3	78.8	79.3	80.0	80.5	80.6	81.1	81.4	81.4	81.5	81.5	81.8	82.1
IV 4000	51.3	69.5	74.8	77.7	80.2	80.7	81.4	81.9	82.0	82.5	82.8	82.8	82.9	82.9	83.2	83.5
IV 2000	52.9	71.5	76.9	79.8	82.5	83.0	83.7	84.2	84.3	84.9	85.1	85.1	85.2	85.3	85.5	85.9
IV 1000	54.1	73.2	78.7	81.8	84.4	85.0	85.7	86.2	86.3	86.9	87.1	87.1	87.2	87.3	87.5	87.9
IV 900	54.3	73.5	79.0	82.1	84.7	85.3	86.0	86.5	86.5	87.2	87.4	87.4	87.5	87.6	87.8	88.2
IV 800	54.6	74.0	79.5	82.6	85.3	85.9	86.6	87.1	87.2	87.8	88.0	88.0	88.1	88.2	88.4	88.8
IV 700	54.9	74.4	79.9	83.0	85.8	86.3	87.1	87.6	87.7	88.3	88.5	88.5	88.6	88.7	89.0	89.4
IV 6000	55.4	75.0	80.5	83.6	86.4	86.9	87.8	88.2	88.3	88.9	89.2	89.2	89.3	89.3	89.6	90.0
IV 5000	56.1	75.9	81.4	84.6	87.4	88.0	88.8	89.3	89.4	90.0	90.4	90.4	90.5	90.6	90.9	91.0
IV 4500	56.4	76.3	81.8	85.0	87.9	88.4	89.3	89.7	89.8	90.4	90.7	90.7	90.8	90.8	91.1	91.5
IV 4000	56.8	76.8	82.4	85.5	88.4	89.0	89.8	90.3	90.4	91.0	91.2	91.2	91.3	91.4	91.7	92.1
IV 3500	57.2	77.2	82.8	86.0	88.9	89.5	90.3	90.8	90.9	91.5	91.7	91.7	91.8	91.9	92.2	92.6
IV 3000	57.8	77.9	83.5	86.7	89.6	90.1	91.0	91.5	91.6	92.2	92.4	92.4	92.5	92.6	92.8	93.2
IV 2500	58.2	78.3	83.9	87.1	90.0	90.6	91.5	92.0	92.1	92.7	92.9	92.9	93.0	93.1	93.4	93.8
IV 2000	58.6	79.0	84.6	87.9	90.9	91.5	92.4	92.9	93.0	93.7	93.9	93.9	94.0	94.1	94.3	94.7
IV 1800	58.8	79.0	84.7	88.0	91.0	91.6	92.5	93.0	93.1	93.8	94.0	94.0	94.1	94.2	94.4	94.8
IV 1500	58.9	79.4	85.0	88.3	91.3	92.0	92.8	93.4	93.5	94.2	94.4	94.4	94.5	94.5	94.8	95.2
IV 1200	59.0	79.6	85.3	88.6	91.6	92.3	93.1	93.7	93.8	94.5	94.7	94.7	94.8	94.9	95.1	95.5
IV 1000	59.4	80.0	85.8	89.2	92.1	92.8	93.7	94.3	94.3	95.1	95.3	95.3	95.4	95.5	95.7	96.1
IV 900	59.6	80.2	86.0	89.4	92.4	93.0	94.1	94.6	94.7	95.5	95.8	95.8	95.9	95.9	96.2	96.6
IV 800	59.7	80.4	86.2	89.6	92.6	93.3	94.4	95.0	95.1	96.0	96.2	96.2	96.3	96.3	96.6	97.0
IV 700	59.8	80.6	86.4	89.8	92.9	93.6	94.7	95.4	95.4	96.3	96.5	96.5	96.6	96.7	96.9	97.3
IV 600	59.8	80.6	86.5	89.9	93.1	93.8	95.0	95.6	95.7	96.5	96.8	96.8	96.9	96.9	97.2	97.6
IV 500	59.8	80.7	86.6	90.1	93.4	94.1	95.3	96.0	96.0	96.9	97.2	97.2	97.3	97.4	97.6	98.0
IV 400	59.8	80.7	86.6	90.1	93.4	94.1	95.3	96.0	96.2	97.1	97.3	97.3	97.5	97.5	97.8	98.3
IV 300	59.8	80.7	86.6	90.1	93.4	94.2	95.4	96.1	96.2	97.1	97.5	97.5	97.5	97.7	98.0	98.4
IV 200	59.8	80.7	86.6	90.1	93.4	94.2	95.4	96.1	96.2	97.1	97.5	97.5	97.7	97.8	98.2	98.9
IV 100	59.8	80.7	86.6	90.1	93.4	94.2	95.4	96.1	96.3	97.2	97.5	97.6	97.8	97.9	98.4	99.4
IV 0	59.8	80.7	86.6	90.1	93.4	94.2	95.4	96.1	96.3	97.2	97.5	97.6	97.9	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 3062

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23205 MCCLELLA AF CALIF/SACRAMENTO 40-72

0CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6200-1100

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	46.6	67.6	71.8	74.8	76.8	77.1	77.4	77.7	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9
≥ 1000	49.6	72.0	76.5	79.7	81.8	82.2	82.5	82.9	82.9	83.3	83.3	83.3	83.3	83.4	83.4	83.4
IV 500	49.8	72.3	76.9	80.1	82.2	82.6	82.9	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4
IV 600	50.3	72.9	77.5	80.6	82.9	83.3	83.6	83.9	83.9	84.0	84.0	84.0	84.0	84.1	84.1	84.1
IV 400	51.4	74.4	79.0	82.1	84.4	84.7	85.1	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6
IV 200	52.7	76.1	80.9	84.1	86.6	87.0	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9
IV 1000	53.8	77.4	82.2	85.6	88.1	88.4	88.8	89.2	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4
IV 800	54.2	77.9	82.8	86.1	88.6	88.9	89.3	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	89.9
IV 700	54.7	78.8	83.8	87.2	89.7	90.1	90.5	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0
IV 600	55.0	79.2	84.2	87.6	90.1	90.5	90.9	91.3	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5
IV 500	55.2	79.5	84.5	87.9	90.5	90.8	91.3	91.6	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8
IV 400	55.8	80.2	85.3	88.7	91.2	91.6	92.0	92.3	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5
IV 300	56.0	80.3	85.4	88.9	91.4	91.9	92.3	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8
IV 200	56.6	81.0	86.3	89.7	92.3	92.7	93.1	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.7
IV 100	56.9	81.5	86.7	90.2	92.8	93.2	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2
IV 0	57.4	82.1	87.4	90.9	93.6	94.0	94.4	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.0
IV 1000	58.1	82.9	88.2	91.8	94.4	94.8	95.3	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	58.3	83.1	88.4	92.0	94.6	95.1	95.6	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1
IV 700	58.4	83.2	88.5	92.1	94.7	95.2	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.3	96.3
IV 600	58.8	83.7	89.0	92.6	95.3	95.8	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 500	58.9	83.9	89.2	92.8	95.6	96.1	96.6	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 400	59.2	84.4	89.8	93.4	96.2	96.7	97.4	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	59.2	84.4	89.8	93.4	96.2	96.7	97.4	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	59.3	84.5	90.0	93.6	96.6	97.0	97.7	98.2	98.2	98.5	98.5	98.5	98.5	98.6	98.6	98.6
IV 100	59.3	84.5	90.0	93.7	96.6	97.1	97.8	98.3	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7
IV 0	59.3	84.5	90.0	93.7	96.7	97.2	98.0	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	59.3	84.5	90.1	93.8	96.9	97.4	98.2	98.7	98.7	99.0	99.1	99.1	99.1	99.2	99.2	99.2
IV 800	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4
IV 700	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.6	99.6	99.6
IV 600	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.7	99.7	99.7
IV 500	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.7	99.7	99.7
IV 400	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.7	99.7	99.7
IV 300	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.7	99.7	99.7
IV 200	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.7	99.7	99.7
IV 100	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.7	99.7	99.7
IV 0	59.3	84.5	90.1	93.8	96.9	97.4	98.3	98.9	98.9	99.0	99.3	99.4	99.4	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 3058

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCLELLAN AFB CALIF/SACRAMENTO

40-72

JCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTES MILES															
	20	24	25	24	23	21	20	18	16	14	12	10	8	6	4	2
NO CEILING	53.6	69.8	73.1	74.9	76.4	76.5	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	57.9	76.0	79.6	81.5	83.2	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5
WV 800	58.2	76.5	80.1	82.0	83.7	83.8	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
WV 600	58.5	76.8	80.5	82.4	84.1	84.2	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
WV 400	59.6	78.3	82.0	84.0	85.8	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
WV 200	60.4	79.4	83.3	85.4	87.2	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
WV 100	61.5	80.7	84.6	86.9	88.7	88.8	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
WV 80	61.9	81.4	85.3	87.6	89.4	89.5	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
WV 60	62.4	82.0	86.2	88.5	90.3	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
WV 40	62.6	82.3	86.6	88.9	90.8	90.9	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2
WV 20	63.0	83.0	87.3	89.8	91.7	91.8	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
WV 10	63.5	83.8	88.1	90.7	92.6	92.7	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
WV 8	63.8	84.2	88.5	91.1	93.0	93.1	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
WV 6	64.6	85.0	89.3	91.9	93.8	93.9	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
WV 4	65.2	85.6	90.0	92.6	94.6	94.7	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
WV 2	65.8	86.3	90.7	93.3	95.3	95.3	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6
WV 1	67.0	87.7	92.2	94.8	96.9	97.0	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
WV 0	67.6	88.4	92.9	95.6	97.7	97.8	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
WV 800	67.7	88.6	93.1	95.8	97.9	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
WV 600	67.8	88.8	93.3	96.0	98.1	98.2	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
WV 400	68.0	88.9	93.5	96.3	98.4	98.5	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
WV 200	68.1	89.2	93.7	96.6	98.7	98.8	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
WV 100	68.1	89.2	93.8	96.6	98.7	98.8	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
WV 80	68.1	89.2	93.8	96.7	98.8	98.9	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
WV 60	68.1	89.2	93.8	96.7	98.8	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
WV 40	68.1	89.2	93.8	96.7	98.8	99.0	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
WV 20	68.1	89.2	93.8	96.7	98.8	99.0	99.4	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9
WV 10	68.1	89.2	93.8	96.7	98.8	99.0	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
WV 0	68.1	89.2	93.8	96.7	98.8	99.0	99.4	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3651

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

JCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTES MILES															
	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10
NO CEILING	57.6	72.6	74.6	76.0	77.1	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5
IV 10000	63.0	79.4	81.0	83.3	84.4	84.5	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 8000	63.3	79.8	82.1	83.8	85.0	85.2	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 6000	63.7	80.0	82.9	84.6	85.8	85.9	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4000	65.4	82.1	84.4	86.1	87.3	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	66.5	83.6	86.0	87.8	89.0	89.1	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	67.3	84.5	87.0	88.7	90.0	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500	67.9	85.3	87.8	89.6	90.9	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1000	68.6	86.2	88.9	90.7	92.0	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.6
IV 800	69.2	87.0	89.7	91.6	92.8	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 600	69.5	87.4	90.3	92.1	93.4	93.5	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.0
IV 500	70.0	88.4	91.2	93.1	94.4	94.5	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.0
IV 450	70.6	89.0	91.8	93.7	95.0	95.2	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 400	71.1	89.7	92.6	94.5	95.8	96.0	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 350	71.6	90.4	93.3	95.3	96.8	96.9	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	71.9	90.7	93.6	95.6	97.1	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
IV 250	72.3	91.1	94.1	95.1	97.6	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3
IV 200	72.4	91.4	94.5	96.5	98.0	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7
IV 150	72.5	91.6	94.6	96.6	98.1	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 100	72.5	91.7	94.8	96.8	98.3	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 80	72.6	91.7	94.9	96.9	98.5	98.7	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 60	72.6	91.7	94.9	97.1	98.6	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5
IV 40	72.6	91.7	95.0	97.1	98.7	98.9	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 20	72.6	91.7	95.0	97.1	98.7	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 10	72.6	91.7	95.0	97.1	98.7	98.9	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 5	72.6	91.7	95.0	97.1	98.7	98.9	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 3	72.6	91.7	95.0	97.1	98.7	98.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2	72.6	91.7	95.0	97.1	98.7	98.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1	72.6	91.7	95.0	97.1	98.7	98.9	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	72.6	91.8	95.0	97.1	98.7	99.0	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

3051

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / AAC

CEILING VERSUS VISIBILITY

23208

MOCLF LA CALIF/SACRAMENTO

41-72

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATISTICS															
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
10000	67.8	81.4	83.6	85.0	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	86.1
8000	69.7	84.3	86.3	87.5	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.7
6000	69.9	84.4	86.4	87.8	88.3	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.9
4000	70.2	84.9	86.8	88.2	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.3
2000	70.9	85.6	87.5	88.9	89.4	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.8	90.0
1000	72.0	86.7	88.7	90.1	90.6	90.7	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.2
800	73.2	88.1	90.1	91.5	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.6
600	73.4	88.4	90.4	91.8	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.9
400	74.0	89.0	91.0	92.4	93.0	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.6
200	74.6	89.7	91.8	93.2	93.7	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.1	94.1	94.4
100	75.6	90.9	93.0	94.4	94.9	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.4	95.6
5000	76.3	91.8	93.9	95.3	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.5
4500	76.8	92.5	94.5	96.0	96.5	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	97.2
4000	77.2	92.9	95.0	96.4	97.0	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.7
3500	77.4	93.2	95.3	96.7	97.3	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.7	98.0
3000	77.6	93.5	95.8	97.2	97.8	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.6
2500	77.8	93.7	96.0	97.4	98.1	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.8
2000	77.9	94.1	96.4	97.8	98.5	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.2
1800	77.9	94.1	96.4	97.8	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.3
1500	78.0	94.2	96.4	97.9	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.4
1200	78.0	94.2	96.5	98.0	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.6
1000	78.0	94.3	96.6	98.1	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.7
900	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
800	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
700	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
600	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
500	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
400	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
300	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
200	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
100	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8
0	78.0	94.3	96.6	98.2	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.8

TOTAL NUMBER OF OBSERVATIONS 2970

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFB CALIF/SACRAMENTO

41-72

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	40.6	58.3	61.9	65.1	67.5	68.1	68.9	69.3	69.4	69.7	70.2	70.2	70.8	70.8	71.5	72.5
IV 20000	41.5	60.0	63.7	66.9	69.4	70.0	70.8	71.2	71.2	71.6	72.0	72.1	72.6	72.7	73.4	74.4
IV 15000	41.6	60.1	63.8	67.0	69.5	70.1	70.9	71.3	71.3	71.7	72.1	72.2	72.7	72.8	73.5	74.5
IV 10000	41.9	60.4	64.2	67.5	70.0	70.5	71.3	71.8	71.8	72.2	72.6	72.7	73.2	73.3	74.0	75.0
IV 8000	42.3	61.2	65.1	68.4	71.0	71.6	72.4	72.8	72.9	73.3	73.7	73.7	74.3	74.3	75.0	76.0
IV 6000	43.3	62.8	67.1	70.4	73.1	73.7	74.5	75.0	75.0	75.5	75.9	75.9	76.5	76.5	77.2	78.2
IV 4000	44.4	64.2	68.7	72.1	74.9	75.5	76.3	76.8	76.9	77.3	77.8	77.8	78.3	78.4	79.1	80.1
IV 3000	44.8	64.6	69.1	72.7	75.5	76.0	76.9	77.4	77.5	77.9	78.4	78.4	79.0	79.0	79.7	80.7
IV 2000	45.8	66.1	70.0	74.2	77.0	77.6	78.4	79.0	79.0	79.5	79.9	80.0	80.5	80.6	81.3	82.3
IV 1500	46.7	67.1	71.7	75.5	78.4	79.0	79.9	80.5	80.5	81.0	81.4	81.5	82.0	82.0	82.7	83.8
IV 1000	47.4	68.3	73.0	76.7	79.8	80.4	81.3	81.9	81.9	82.4	82.8	82.9	83.4	83.5	84.2	85.2
IV 800	48.3	69.6	74.3	78.2	81.3	82.0	82.9	83.5	83.5	84.0	84.4	84.5	85.0	85.1	85.8	86.8
IV 600	48.6	70.0	74.8	78.7	81.8	82.5	83.4	84.0	84.0	84.5	84.9	85.0	85.5	85.6	86.2	87.3
IV 400	49.3	71.0	75.9	79.8	83.0	83.6	84.6	85.1	85.2	85.6	86.1	86.1	86.7	86.7	87.4	88.4
IV 300	49.5	71.3	76.3	80.2	83.4	84.1	85.1	85.6	85.7	86.1	86.6	86.6	87.2	87.2	87.9	88.9
IV 200	50.1	72.4	77.4	81.4	84.7	85.3	86.4	86.9	87.0	87.4	87.9	88.0	88.5	88.5	89.2	90.3
IV 100	50.5	73.0	78.1	82.2	85.5	86.1	87.2	87.7	87.8	88.2	88.7	88.8	89.3	89.3	90.0	91.1
IV 0	50.9	73.7	78.9	83.0	86.4	87.0	88.0	88.6	89.0	89.5	89.9	90.1	90.1	90.8	91.9	
IV 1500	51.0	73.9	79.1	83.2	86.6	87.2	88.2	88.8	88.8	89.3	89.7	89.8	90.3	90.4	91.1	92.1
IV 1200	51.5	74.7	79.9	84.1	87.4	88.0	89.1	89.7	89.8	90.3	90.7	90.8	91.3	91.4	92.1	93.1
IV 1000	51.7	75.0	80.3	84.5	87.9	88.5	89.6	90.2	90.3	90.8	91.2	91.3	91.8	91.9	92.5	93.6
IV 800	51.8	75.4	80.6	84.9	88.3	89.0	90.0	90.7	90.8	91.2	91.7	91.7	92.3	92.3	92.9	94.1
IV 600	51.9	75.5	80.7	85.0	88.5	89.2	90.3	90.9	91.1	91.5	92.0	92.0	92.5	92.6	93.3	94.4
IV 400	52.0	75.7	81.0	85.4	88.9	89.6	90.7	91.4	91.5	92.0	92.4	92.5	93.0	93.1	93.8	94.8
IV 300	52.0	75.8	81.1	85.5	89.1	89.8	90.9	91.6	91.7	92.2	92.7	92.8	93.3	93.3	94.0	95.1
IV 200	52.0	75.8	81.1	85.5	89.2	90.0	91.1	91.9	92.0	92.5	93.0	93.1	93.6	93.6	94.3	95.4
IV 100	52.0	75.9	81.2	85.7	89.4	90.3	91.5	92.2	92.3	93.0	93.5	93.5	94.0	94.1	94.8	95.9
IV 0	52.0	75.9	81.3	85.8	89.7	90.6	91.9	92.7	92.8	93.4	93.9	94.0	94.6	94.6	95.3	96.4
IV 1500	52.0	75.9	81.3	85.9	89.9	90.9	92.2	93.0	93.2	93.8	94.4	94.5	95.2	95.4	96.1	97.2
IV 1200	52.0	75.9	81.3	85.9	89.9	90.9	92.3	93.2	93.4	94.1	94.8	95.0	95.8	95.9	96.7	98.0
IV 1000	52.0	75.9	81.3	85.9	89.9	90.9	92.3	93.2	93.5	94.2	95.0	95.1	96.0	96.2	96.9	98.5
IV 800	52.0	75.9	81.3	85.9	89.9	90.9	92.3	93.2	93.5	94.2	95.0	95.1	96.0	96.2	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2872

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATISTICAL															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
NO CEILING	39.6	55.5	59.3	61.5	63.7	64.0	65.4	66.1	66.1	66.9	67.3	67.4	67.9	68.0	68.9	70.6
≥ 1000	40.9	57.5	61.4	63.7	66.0	66.3	67.7	68.4	68.4	69.3	69.7	69.8	70.2	70.3	71.3	73.0
IV 8000	40.9	57.4	61.4	63.7	66.1	66.3	67.8	68.4	68.5	69.4	69.8	69.8	70.3	70.4	71.4	73.1
IV 4000	41.0	57.9	61.7	64.1	66.5	66.8	68.2	68.9	68.9	69.8	70.2	70.3	70.8	70.8	71.8	73.5
IV 4000	41.6	58.6	62.6	64.9	67.3	67.6	69.0	69.7	69.8	70.6	71.1	71.1	71.6	71.7	72.7	74.4
IV 2000	42.5	60.2	64.4	66.8	69.1	69.4	70.9	71.6	71.6	72.5	72.9	73.0	73.4	73.5	74.5	76.2
IV 3000	43.2	61.2	65.5	67.9	70.4	70.7	72.2	72.9	72.9	73.9	74.3	74.3	74.8	74.9	75.9	77.6
IV 9000	43.5	61.6	65.9	68.4	70.9	71.2	72.7	73.4	73.4	74.4	74.6	74.9	75.4	75.5	76.5	78.2
IV 8000	44.7	63.1	67.6	70.0	72.6	72.9	74.4	75.1	75.1	76.1	76.5	76.6	77.1	77.2	78.2	79.9
IV 7000	45.8	64.4	68.9	71.6	74.2	74.5	75.9	76.7	76.7	77.7	78.1	78.2	78.7	78.8	79.8	81.5
IV 6000	46.6	65.6	70.2	72.8	75.5	75.9	77.3	78.1	78.1	79.1	79.5	79.6	80.1	80.2	81.2	82.9
IV 5000	47.4	67.0	71.6	74.5	77.2	77.5	79.0	79.8	79.8	80.8	81.2	81.3	81.8	81.9	82.9	84.6
IV 4500	47.8	67.5	72.3	75.0	77.7	78.1	79.6	80.3	80.3	81.3	81.7	81.8	82.3	82.4	83.4	85.1
IV 4000	48.3	68.5	73.2	75.9	78.7	79.1	80.6	81.3	81.4	82.4	82.8	82.9	83.4	83.4	84.4	86.1
IV 3500	48.6	69.0	73.8	76.6	79.4	79.8	81.3	82.0	82.1	83.1	83.5	83.6	84.1	84.2	85.2	86.9
IV 3000	49.0	69.6	74.4	77.3	80.2	80.6	82.1	82.8	82.9	83.9	84.3	84.4	84.9	85.0	86.0	87.7
IV 2500	49.7	70.5	75.4	78.3	81.3	81.7	83.3	84.0	84.1	85.1	85.5	85.6	86.1	86.2	87.2	88.9
IV 2000	49.9	71.3	76.3	79.3	82.4	82.8	84.4	85.1	85.2	86.2	86.7	86.7	87.2	87.3	88.3	90.0
IV 1500	50.2	71.6	76.6	79.6	82.7	83.1	84.7	85.5	85.5	86.6	87.3	87.1	87.6	87.6	88.6	90.3
IV 1000	50.5	72.2	77.2	80.2	83.4	83.8	85.4	86.1	86.2	87.2	87.7	87.7	88.3	88.3	89.3	91.0
IV 900	50.5	72.6	77.6	80.6	83.8	84.3	85.9	86.7	86.7	87.8	88.2	88.2	88.8	88.9	89.9	91.6
IV 800	50.6	72.6	77.8	80.9	84.2	84.7	86.3	87.1	87.1	88.2	88.7	88.7	89.2	89.3	90.3	92.0
IV 700	50.6	72.8	77.9	81.0	84.4	84.9	86.6	87.3	87.3	88.4	88.9	88.9	89.5	89.5	90.5	92.2
IV 600	50.6	72.9	78.0	81.2	84.7	85.2	86.9	87.7	87.7	88.8	89.2	89.3	89.8	89.9	90.9	92.6
IV 500	50.7	73.0	78.1	81.4	85.0	85.5	87.2	88.0	88.1	89.1	89.6	89.7	90.2	90.2	91.2	92.9
IV 400	50.8	73.1	78.3	81.7	85.4	85.9	87.7	88.6	88.6	89.7	90.1	90.2	90.8	90.9	91.8	93.5
IV 300	50.8	73.1	78.4	81.8	85.5	86.0	88.0	88.9	89.0	90.2	90.6	90.7	91.4	91.4	92.4	94.1
IV 200	50.9	73.2	78.5	81.9	85.8	86.3	88.4	89.4	89.5	90.8	91.3	91.3	92.0	92.1	93.1	94.8
IV 100	50.9	73.3	78.6	82.1	86.0	86.5	88.6	89.7	89.8	91.2	91.7	91.8	92.6	92.6	93.6	95.5
IV 0	50.9	73.3	78.6	82.1	86.1	86.7	88.8	89.9	90.2	91.6	92.2	92.2	93.2	93.3	94.5	96.9
IV 0	50.9	73.3	78.6	82.1	86.1	86.7	88.8	89.9	90.2	91.8	92.5	92.5	93.7	93.9	95.3	98.0
IV 0	50.9	73.3	78.6	82.1	86.1	86.7	88.8	89.9	90.2	91.8	92.5	92.5	93.7	93.9	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS

2930

USAF ETAC

FORM 44

0-14-5(OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFB CALIF/SACRAMENTO

30-72

MDV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0500-0900

CEILING FEET	VISIBILITY STATISTICALS																		
	≥ 10	≥ 5	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005	≥ 0.0025	≥ 0.001	≥ 0.0005	≥ 0.00025	≥ 0.0001	≥ 0.00005	≥ 0.000025
NO CEILING	28.1	40.5	44.9	48.1	51.7	52.4	54.2	55.8	55.9	57.7	58.0	58.0	58.7	58.9	59.8	61.6			
≥ 10000	30.5	44.3	49.5	53.2	57.4	58.1	50.2	61.9	62.1	63.6	64.5	64.5	65.4	65.5	66.6	68.5			
IV 8000	30.5	44.5	49.7	53.4	57.0	58.4	60.5	62.2	62.4	63.9	64.9	64.9	65.7	65.8	66.9	68.8			
IV 6000	30.8	44.7	50.1	53.9	58.2	59.0	61.2	62.8	63.1	64.6	65.5	65.5	66.4	66.6	67.6	69.6			
IV 4000	31.5	45.6	51.1	54.9	59.2	60.1	62.3	64.0	64.3	65.8	66.7	66.7	67.6	67.8	68.8	70.8			
IV 2000	32.7	47.4	52.7	56.9	61.4	62.2	64.6	66.3	66.7	68.2	69.1	69.2	70.1	70.3	71.3	73.3			
IV 1000	33.5	48.4	54.0	58.1	62.7	63.6	65.9	67.7	68.0	69.5	70.5	70.5	71.4	71.6	72.7	74.7			
IV 800	33.7	48.7	54.4	58.5	63.1	64.0	66.4	68.1	68.5	70.0	70.9	71.0	71.9	72.1	73.1	75.1			
IV 600	34.6	50.0	55.8	59.9	64.7	65.6	68.0	69.8	70.1	71.7	72.7	72.7	73.6	73.8	74.9	76.8			
IV 400	35.4	50.9	56.8	60.9	65.8	66.7	69.1	70.9	71.3	72.8	73.8	73.9	74.8	75.0	76.0	78.0			
IV 300	36.3	52.1	58.2	62.4	67.3	68.3	70.7	72.6	72.9	74.5	75.5	75.5	76.4	76.6	77.7	79.7			
IV 200	37.3	53.7	59.9	64.2	69.4	70.4	72.8	74.7	75.0	76.6	77.0	77.6	78.5	78.7	79.8	81.8			
IV 100	37.6	54.2	60.5	64.9	70.0	71.1	73.5	75.4	75.8	77.3	78.3	78.4	79.3	79.5	80.5	82.6			
IV 50	38.6	55.5	62.0	66.4	71.6	72.5	75.1	77.0	77.4	79.0	80.0	80.0	80.9	81.1	82.2	84.2			
IV 30	39.1	56.2	62.7	67.2	72.5	73.5	76.1	78.0	78.4	80.0	81.0	81.0	81.9	82.1	83.2	85.2			
IV 20	39.5	57.0	63.5	68.1	73.5	74.6	77.1	79.1	79.4	81.0	82.0	82.1	83.0	83.2	84.2	86.3			
IV 10	39.9	57.7	64.2	68.8	74.2	75.3	77.9	79.9	80.2	81.9	82.9	82.9	83.8	84.0	85.1	87.1			
IV 5	40.3	58.4	65.0	69.7	75.2	76.4	79.1	81.2	81.6	83.3	84.3	84.3	85.2	85.4	86.5	88.5			
IV 2	40.4	58.5	65.1	69.8	75.3	76.6	79.3	81.5	81.9	83.6	84.6	84.6	85.5	85.7	86.8	88.8			
IV 1	40.5	58.7	65.5	70.3	75.9	77.2	80.0	82.1	82.5	84.3	85.3	85.3	86.2	86.4	87.5	89.5			
IV 0	40.7	58.9	65.8	70.6	76.2	77.5	80.4	82.6	83.0	84.8	85.8	85.8	86.7	86.9	88.0	90.0			
IV 0	40.8	59.1	66.0	70.9	76.6	78.0	81.0	83.1	83.6	85.4	86.5	86.5	87.4	87.6	88.7	90.7			
IV 0	40.9	59.3	66.1	71.0	76.9	78.2	81.2	83.4	83.9	85.7	86.8	86.8	87.7	87.9	89.0	91.0			
IV 0	41.0	59.4	66.3	71.2	77.1	78.5	81.6	83.8	84.3	86.2	87.3	87.3	88.3	88.5	89.5	91.6			
IV 0	41.0	59.5	66.4	71.3	77.3	78.6	81.8	84.0	84.5	86.4	87.6	87.6	88.5	88.7	89.8	91.8			
IV 0	41.1	59.7	66.6	71.7	77.7	79.1	82.3	84.6	85.0	87.0	88.1	88.2	89.1	89.3	90.4	92.4			
IV 0	41.1	59.8	66.7	71.8	77.9	79.3	82.7	85.1	85.5	87.6	88.7	88.8	89.7	89.9	91.1	93.1			
IV 0	41.2	59.8	66.8	71.9	78.1	79.6	83.1	85.5	86.0	88.1	89.3	89.3	90.2	90.5	91.7	93.9			
IV 0	41.2	59.8	66.8	72.0	78.3	79.7	83.3	85.8	86.4	88.8	90.2	90.3	91.3	91.5	92.9	95.3			
IV 0	41.2	59.8	66.8	72.0	78.3	79.8	83.4	85.9	86.5	89.1	90.7	90.9	92.0	92.3	93.8	96.8			
IV 0	41.2	59.8	66.8	72.0	78.3	79.8	83.4	85.9	86.6	89.3	90.9	91.1	92.2	92.7	94.3	98.0			
IV 0	41.2	59.8	66.8	72.0	78.3	79.8	83.4	85.9	86.6	89.3	91.0	91.1	92.3	92.7	94.5	100.0			

TOTAL NUMBER OF OBSERVATIONS 3002

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA, AFB CALIF/SACRAMENTO 30-72

..OV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 1	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30-31
NOTE NO	25.5	41.2	46.3	50.1	53.8	54.5	56.0	56.8	57.0	59.1	58.6	59.7	58.9	59.9	59.1	59.4
IV 1000	28.3	46.6	52.2	56.9	61.5	62.4	64.4	65.4	65.6	66.7	67.3	67.3	67.6	67.6	67.9	68.1
IV 800	28.3	46.8	52.5	57.3	62.0	63.0	65.0	66.0	66.2	67.3	67.9	68.0	68.2	68.2	68.5	68.8
IV 600	28.6	47.1	52.9	57.9	62.6	63.6	65.7	66.7	66.9	68.0	68.6	68.7	68.9	68.9	69.2	69.5
IV 400	29.2	48.2	54.2	59.4	64.2	65.3	67.4	68.5	68.7	69.8	70.4	70.4	70.7	70.7	71.0	71.2
IV 200	30.4	49.8	55.9	61.3	66.3	67.4	69.7	70.7	71.1	72.3	72.9	73.0	73.2	73.2	73.5	73.7
IV 100	31.2	50.9	57.2	62.7	67.8	69.0	71.4	72.6	72.9	74.0	74.6	74.7	74.9	75.0	75.2	75.5
IV 0	31.5	51.3	57.6	63.1	68.3	69.6	72.0	73.1	73.4	74.5	75.2	75.2	75.5	75.5	75.8	76.0
IV 8000	32.7	52.8	59.1	64.6	69.8	71.1	73.5	74.7	74.9	76.1	76.8	76.8	77.0	77.1	77.3	77.6
IV 6000	33.3	53.6	59.8	65.4	70.7	72.1	74.5	75.7	76.0	77.1	77.8	77.9	78.2	78.2	78.5	78.7
IV 5000	33.8	54.4	60.7	66.3	71.8	73.2	75.7	76.9	77.2	78.4	79.1	79.7	79.4	79.4	79.7	80.0
IV 4500	35.0	56.0	62.4	68.0	73.6	75.0	77.5	78.8	79.1	80.2	80.9	81.0	81.2	81.3	81.5	81.8
IV 4000	35.2	56.4	62.8	68.5	74.1	75.5	78.1	79.3	79.6	80.7	81.4	81.5	81.8	81.8	82.1	82.3
IV 3500	35.9	57.5	64.0	69.6	75.4	76.7	79.4	80.6	80.9	82.0	82.7	82.8	83.1	83.1	83.4	83.6
IV 3000	36.5	58.5	65.1	70.8	76.6	77.9	80.5	81.8	82.1	83.2	83.9	84.0	84.2	84.3	84.5	84.8
IV 2500	37.1	59.1	65.9	71.7	77.4	78.8	81.5	82.7	83.0	84.1	84.6	84.9	85.2	85.2	85.5	85.7
IV 2000	37.4	59.7	66.5	72.4	78.3	79.7	82.4	83.8	84.1	85.2	85.9	86.0	86.2	86.3	86.5	86.8
IV 1800	37.9	60.6	67.3	73.2	79.6	81.0	83.8	85.2	85.5	86.7	87.4	87.5	87.7	87.7	88.0	88.2
IV 1500	38.3	61.2	68.0	74.0	80.6	82.1	85.0	86.5	86.8	88.0	88.7	88.8	89.0	89.0	89.3	89.6
IV 1200	38.5	61.7	68.6	74.7	81.2	82.8	85.8	87.2	87.5	88.7	89.4	89.5	89.8	89.8	90.1	90.3
IV 1000	38.9	62.2	69.2	75.3	82.2	83.8	86.9	88.3	88.7	89.9	90.7	90.8	91.0	91.0	91.3	91.5
IV 900	38.9	62.3	69.3	75.5	82.5	84.1	87.3	88.9	89.3	90.5	91.2	91.3	91.5	91.6	91.8	92.1
IV 800	39.0	62.6	69.6	75.9	83.1	84.9	88.1	89.8	90.2	91.5	92.2	92.3	92.6	92.6	92.9	93.2
IV 700	39.1	62.7	69.8	76.2	83.5	85.3	88.6	90.3	90.7	92.1	92.8	92.9	93.2	93.3	93.5	93.8
IV 600	39.1	62.8	69.9	76.3	83.7	85.6	89.0	90.7	91.1	92.6	93.3	93.4	93.7	93.8	94.1	94.3
IV 500	39.1	62.8	70.0	76.4	83.9	85.8	89.2	91.1	91.5	93.2	94.1	94.3	94.6	94.6	94.9	95.2
IV 400	39.2	62.9	70.0	76.4	84.1	86.0	89.5	91.7	92.3	94.2	95.2	95.3	95.7	95.8	96.2	96.5
IV 300	39.2	62.9	70.1	76.5	84.2	86.2	89.8	92.3	93.1	95.2	96.4	96.6	97.2	97.4	97.9	98.3
IV 200	39.2	62.9	70.1	76.5	84.2	86.2	89.8	92.4	93.2	95.4	96.8	97.0	97.5	97.8	98.4	99.0
IV 100	39.2	62.9	70.1	76.5	84.2	86.2	89.8	92.4	93.2	95.4	96.9	97.1	97.6	98.0	98.6	99.4
IV 0	39.2	62.9	70.1	76.5	84.2	86.2	89.8	92.4	93.2	95.5	96.9	97.1	97.7	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3028

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA, AFB CALIF/SACRAMENTO

37-72

10V

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET		VISIBILITY STATUTES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	2000	34.0	50.0	54.3	57.7	60.3	61.1	62.2	62.7	62.8	63.1	63.2	63.2	63.3	63.3	63.3	63.4
	1500	38.1	55.7	60.5	64.4	67.7	68.6	70.1	70.6	70.8	71.2	71.3	71.3	71.4	71.4	71.4	71.5
IV 800	1000	38.3	56.1	61.0	64.8	68.2	69.1	70.6	71.2	71.3	71.7	71.6	71.8	71.9	71.9	71.9	72.0
	500	38.7	56.5	61.4	65.5	68.9	69.9	71.5	72.1	72.2	72.7	72.8	72.8	72.8	72.8	72.9	72.9
IV 400	300	39.4	57.8	63.0	67.1	70.8	71.8	73.4	74.0	74.1	74.6	74.7	74.7	74.8	74.8	74.8	74.9
	200	40.7	59.6	64.9	69.1	72.9	74.0	75.7	76.3	76.5	77.0	77.1	77.1	77.2	77.2	77.2	77.3
IV 200	100	41.2	60.3	65.6	70.0	74.0	75.1	76.7	77.4	77.6	78.1	78.2	78.2	78.3	78.3	78.3	78.4
	50	41.4	60.7	65.9	70.4	74.3	75.5	77.1	77.7	77.9	78.5	78.6	78.6	78.6	78.6	78.7	78.7
IV 100	50	42.6	62.2	67.6	72.1	76.1	77.3	78.9	79.6	79.7	80.3	80.4	80.4	80.4	80.4	80.5	80.5
	20	43.2	63.0	68.4	72.9	77.0	78.3	79.9	80.6	80.8	81.3	81.4	81.4	81.5	81.5	81.5	81.6
IV 50	10	43.6	63.6	69.0	73.6	77.8	79.1	80.8	81.5	81.7	82.2	82.3	82.3	82.4	82.4	82.4	82.5
	5	44.8	65.0	70.5	75.1	79.4	80.7	82.4	83.1	83.3	83.8	83.9	83.9	84.0	84.0	84.0	84.1
IV 4500	4000	45.2	65.7	71.2	75.9	80.1	81.5	83.3	83.9	84.1	84.6	84.7	84.7	84.8	84.8	84.8	84.9
	3500	46.2	67.1	72.6	77.2	81.7	83.0	84.8	85.5	85.7	86.2	86.3	86.3	86.4	86.4	86.4	86.5
IV 3500	3000	47.1	68.3	73.8	78.5	83.0	84.3	86.2	86.9	87.1	87.6	87.7	87.7	87.8	87.8	87.8	87.9
	2500	47.7	69.2	74.8	79.6	84.2	85.6	87.5	88.2	88.4	88.9	89.0	89.0	89.1	89.1	89.1	89.2
IV 2500	2000	48.7	70.4	76.1	81.0	85.6	87.1	89.1	89.8	90.0	90.5	90.6	90.6	90.7	90.7	90.7	90.8
	1500	49.4	71.4	77.0	82.0	86.8	88.3	90.3	91.0	91.2	91.8	91.9	91.9	92.0	92.0	92.0	92.1
IV 1500	1000	49.6	71.7	77.3	82.4	87.1	88.7	90.7	91.4	91.6	92.2	92.3	92.3	92.4	92.4	92.4	92.5
	500	50.1	72.4	78.1	83.3	88.3	89.9	92.0	92.7	93.0	93.6	93.7	93.7	93.8	93.8	93.8	93.9
IV 1000	500	50.4	73.1	78.9	84.3	89.4	90.9	93.1	94.0	94.2	94.8	94.9	94.9	95.0	95.0	95.0	95.1
	200	50.5	73.4	79.2	84.6	89.9	91.5	93.8	94.7	94.9	95.7	95.8	95.8	95.9	95.9	96.0	96.0
IV 900	800	50.5	73.4	79.2	84.6	90.0	91.7	94.0	94.8	95.1	95.9	96.1	96.1	96.2	96.2	96.2	96.3
	700	50.5	73.5	79.3	84.7	90.1	91.8	94.2	95.1	95.4	96.3	96.5	96.5	96.6	96.6	96.6	96.7
IV 800	700	50.5	73.5	79.3	84.8	90.3	92.0	94.4	95.4	95.6	96.6	96.7	96.9	97.0	97.0	97.0	97.1
	600	50.6	73.6	79.5	85.0	90.6	92.3	94.7	96.1	96.3	97.3	97.6	97.6	97.8	97.8	97.8	97.9
IV 700	600	50.6	73.7	79.6	85.2	90.8	92.5	95.0	96.7	96.9	98.1	98.4	98.4	98.5	98.5	98.6	98.6
	500	50.6	73.8	79.6	85.3	90.8	92.6	95.1	96.9	97.3	98.4	98.9	98.9	99.0	99.0	99.1	99.1
IV 600	500	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
	400	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
IV 500	400	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
	300	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
IV 400	300	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
	200	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
IV 300	200	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
	100	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
IV 200	100	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
	50	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
IV 100	50	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0
	0	50.6	73.8	79.6	85.3	90.9	92.7	95.3	97.2	97.7	98.9	99.5	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

3027

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208

MCCLELLA AFB CALIF/SACRAMENTO

30-72

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATISTICAL															
	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10
NOTE NO	36.3	51.1	55.5	58.6	61.9	62.5	63.5	64.2	64.2	64.7	64.9	64.9	65.0	65.0	65.0	65.0
2 2000	40.1	56.6	61.4	64.9	68.8	69.5	70.6	71.4	71.5	72.0	72.2	72.2	72.3	72.3	72.3	72.3
IV 2000	40.3	56.9	61.6	65.1	69.1	69.7	70.9	71.7	71.8	72.3	72.5	72.5	72.6	72.6	72.6	72.6
IV 1800	40.7	57.4	62.3	65.9	69.8	70.5	71.7	72.5	72.7	73.3	73.5	73.5	73.6	73.6	73.6	73.6
IV 1600	41.7	59.0	63.9	67.6	72.0	72.8	74.1	75.0	75.1	75.8	76.0	76.0	76.1	76.1	76.1	76.1
IV 1400	43.3	61.1	66.1	69.9	74.5	75.4	76.7	77.7	77.8	78.6	78.8	78.8	78.9	78.9	78.9	78.9
IV 1200	44.0	62.2	67.4	71.2	75.9	77.7	78.4	79.4	79.5	80.3	80.5	80.5	80.6	80.6	80.6	80.6
IV 1000	44.2	62.6	67.7	71.6	76.4	77.5	78.9	79.9	80.0	80.8	81.0	81.0	81.1	81.1	81.1	81.1
IV 800	45.1	63.6	68.9	72.7	77.6	78.8	80.3	81.2	81.4	82.1	82.4	82.4	82.5	82.5	82.5	82.5
IV 600	46.0	64.8	70.1	74.1	79.0	80.2	81.7	82.7	82.8	83.6	83.8	83.8	83.9	83.9	83.9	83.9
IV 400	46.7	65.7	71.0	75.1	80.0	81.2	82.8	83.8	83.9	84.7	84.9	84.9	85.0	85.0	85.0	85.0
IV 200	47.6	67.0	72.4	76.6	81.7	83.0	84.6	85.6	85.8	86.6	86.8	86.8	86.9	86.9	86.9	86.9
IV 100	47.8	67.6	73.0	77.2	82.4	83.7	85.3	86.3	86.5	87.1	87.5	87.5	87.6	87.6	87.6	87.6
IV 500	48.5	68.5	74.1	78.5	83.7	85.0	86.7	87.8	87.9	88.7	88.9	88.9	89.0	89.0	89.0	89.0
IV 3500	48.9	69.3	75.0	79.5	84.8	86.1	87.8	88.8	89.0	89.7	90.0	90.0	90.1	90.1	90.1	90.1
IV 3000	50.0	70.7	76.4	81.0	86.4	87.8	89.5	90.5	90.7	91.5	91.7	91.7	91.8	91.8	91.8	91.8
IV 2500	50.5	71.4	77.4	82.0	87.6	89.0	90.8	91.9	92.1	92.8	93.1	93.1	93.2	93.2	93.2	93.2
IV 2000	50.9	72.4	78.4	83.1	88.9	90.3	92.2	93.3	93.5	94.2	94.5	94.5	94.6	94.6	94.6	94.6
IV 1800	51.0	72.7	78.7	83.4	89.2	90.6	92.6	93.7	93.8	94.6	94.9	94.9	95.0	95.0	95.0	95.0
IV 1600	51.2	73.1	79.2	84.0	89.8	91.4	93.5	94.6	94.8	95.6	95.9	95.9	96.0	96.0	96.0	96.1
IV 1400	51.4	73.4	79.7	84.5	90.4	92.0	94.2	95.4	95.6	96.4	96.7	96.7	96.8	96.8	96.8	96.8
IV 1200	51.4	73.4	79.8	84.8	90.8	92.4	94.6	95.9	96.0	96.9	97.2	97.2	97.3	97.3	97.3	97.3
IV 1000	51.4	73.4	79.8	84.8	90.8	92.5	94.7	96.0	96.2	97.1	97.4	97.4	97.5	97.5	97.5	97.5
IV 800	51.4	73.5	79.9	84.9	91.1	92.8	95.0	96.3	96.5	97.4	97.7	97.7	97.8	97.8	97.8	97.8
IV 600	51.4	73.6	80.0	85.1	91.3	93.0	95.2	96.7	96.9	97.8	98.2	98.2	98.3	98.3	98.3	98.3
IV 400	51.4	73.6	80.0	85.1	91.3	93.0	95.3	96.9	97.1	98.1	98.5	98.5	98.6	98.6	98.6	98.6
IV 200	51.4	73.6	80.0	85.1	91.3	93.1	95.4	97.2	97.3	98.6	99.1	99.1	99.2	99.2	99.2	99.2
IV 100	51.4	73.6	80.0	85.1	91.3	93.1	95.5	97.4	97.9	99.1	99.6	99.6	99.8	99.8	99.8	99.8
IV 50	51.4	73.6	80.0	85.1	91.3	93.1	95.6	97.5	97.9	99.1	99.6	99.7	99.9	99.9	99.9	99.9
IV 0	51.4	73.6	80.0	85.1	91.3	93.1	95.6	97.5	97.9	99.1	99.6	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2989

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

23208 MCLELLAN AFB CALIF/SACKAMENTO 40-72

IDV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-2000

CEILING FEET	VISIBILITY STATISTICAL VALUES																			
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16	≥ 17	≥ 18	≥ 19	≥ 20
≥ 10000	42.7	57.1	60.8	64.1	67.1	67.5	68.7	69.7	69.1	69.4	69.6	69.6	69.7	69.7	69.9	70.1				
≥ 9000	44.7	60.7	64.6	68.1	71.4	72.7	73.0	73.4	73.5	73.8	74.0	74.0	74.1	74.2	74.3	74.6				
≥ 8000	44.9	60.9	64.8	68.3	71.6	72.2	73.3	73.7	73.8	74.1	74.3	74.3	74.4	74.5	74.7	74.9				
≥ 7000	45.0	61.1	65.0	68.6	72.0	72.6	73.7	74.1	74.2	74.6	74.8	74.8	74.9	74.9	75.1	75.3				
≥ 6000	46.0	62.5	66.7	70.5	74.1	74.7	75.8	76.3	76.4	76.8	77.0	77.0	77.1	77.1	77.3	77.5				
≥ 5000	46.9	64.2	68.5	72.6	76.3	76.9	78.1	78.6	78.7	79.1	79.3	79.3	79.4	79.4	79.6	79.8				
≥ 4000	47.6	65.0	69.5	73.6	77.5	78.1	79.4	79.8	79.9	80.3	80.6	80.6	80.7	80.7	80.9	81.1				
≥ 3000	47.9	65.5	70.0	74.2	78.1	78.7	79.9	80.4	80.5	80.9	81.1	81.1	81.2	81.3	81.4	81.7				
≥ 2000	49.5	67.4	71.9	76.2	80.2	80.9	82.1	82.6	82.7	83.1	83.3	83.3	83.4	83.4	83.5	83.8				
≥ 1500	50.4	68.5	73.1	77.4	81.4	82.1	83.3	83.8	83.9	84.3	84.5	84.5	84.6	84.6	84.8	85.1				
≥ 1000	51.3	69.7	74.4	78.7	82.8	83.4	84.6	85.1	85.2	85.6	85.8	85.8	85.9	86.0	86.1	86.4				
≥ 800	52.4	71.4	76.0	80.5	84.6	85.3	86.6	87.0	87.1	87.5	87.8	87.9	87.9	88.1	88.3					
≥ 600	52.9	72.1	76.8	81.3	85.6	86.3	87.5	88.0	88.1	88.5	88.7	88.7	88.8	88.8	89.0	89.2				
≥ 450	53.4	72.8	77.6	82.2	86.5	87.2	88.4	88.9	89.0	89.5	89.7	89.7	89.8	89.8	90.0	90.2				
≥ 350	54.1	73.6	78.4	83.0	87.4	88.1	89.3	89.8	89.9	90.3	90.5	90.5	90.6	90.7	90.8	91.1				
≥ 300	54.7	74.5	79.4	84.1	88.6	89.3	90.5	91.1	91.2	91.6	91.8	91.8	91.9	91.9	92.1	92.4				
≥ 250	55.5	75.5	80.5	85.3	89.9	90.7	92.0	92.5	92.6	93.1	93.3	93.3	93.4	93.4	93.6	93.8				
≥ 200	55.7	76.0	81.0	85.9	90.6	91.3	92.7	93.2	93.3	93.8	94.0	94.0	94.1	94.1	94.3	94.5				
≥ 180	55.9	76.3	81.2	86.3	91.0	91.7	93.0	93.6	93.7	94.2	94.4	94.4	94.5	94.5	94.7	95.0				
≥ 160	56.1	76.7	81.6	86.8	91.6	92.3	93.7	94.3	94.4	95.0	95.2	95.2	95.3	95.3	95.5	95.7				
≥ 140	56.3	77.1	82.0	87.3	92.0	92.8	94.1	94.8	94.9	95.4	95.6	95.6	95.7	95.7	95.9	96.1				
≥ 120	56.4	77.2	82.3	87.6	92.5	93.3	94.6	95.3	95.4	95.9	96.1	96.1	96.2	96.2	96.4	96.7				
≥ 100	56.4	77.3	82.5	87.8	92.9	93.7	95.0	95.7	95.8	96.3	96.5	96.5	96.6	96.7	96.8	97.1				
≥ 80	56.4	77.3	82.6	88.0	93.1	93.9	95.3	96.1	96.1	96.6	96.8	96.8	96.9	97.0	97.1	97.4				
≥ 60	56.4	77.4	82.7	88.2	93.5	94.4	95.8	96.5	96.6	97.1	97.3	97.3	97.4	97.5	97.6	97.9				
≥ 40	56.4	77.6	82.8	88.4	93.8	94.7	96.2	96.9	97.0	97.6	97.8	97.8	97.9	97.9	98.1	98.3				
≥ 30	56.4	77.7	83.0	88.6	94.1	95.1	96.7	97.4	97.6	98.2	98.4	98.4	98.5	98.6	98.7	99.0				
≥ 20	56.4	77.7	83.0	88.6	94.1	95.1	96.7	97.5	98.0	98.6	98.8	98.8	98.9	98.9	99.1	99.4				
≥ 10	56.4	77.7	83.0	88.6	94.1	95.2	96.8	97.6	98.1	98.7	99.0	99.0	99.1	99.1	99.3	99.6				
≥ 0	56.4	77.7	83.0	88.6	94.1	95.2	96.8	97.6	98.1	98.7	99.0	99.0	99.1	99.1	99.4	100.0				

TOTAL NUMBER OF OBSERVATIONS

2931

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

40V

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATISTICALS															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	43.9	60.7	64.3	67.4	69.6	70.2	71.2	71.6	71.8	72.3	72.3	72.4	72.7	72.7	73.1	73.7
IV 20000	45.1	62.8	66.4	69.7	72.1	72.7	73.7	74.2	74.3	74.9	74.9	75.0	75.3	75.3	75.7	76.3
IV 8000	45.3	63.1	66.8	70.1	72.4	73.1	74.1	74.5	74.7	75.2	75.3	75.3	75.7	75.7	76.1	76.7
IV 6000	45.4	63.3	66.9	70.4	72.8	73.5	74.5	74.9	75.1	75.6	75.7	75.7	76.0	76.1	76.5	77.1
IV 4000	46.2	64.5	68.3	72.0	74.5	75.2	76.2	76.6	76.8	77.3	77.4	77.4	77.7	77.9	78.2	78.8
IV 2000	47.1	65.9	70.0	73.7	76.5	77.1	78.2	78.6	78.8	79.4	79.4	79.5	79.8	79.8	80.3	80.9
IV 8000	47.5	66.8	71.0	74.7	77.5	78.1	79.2	79.7	79.8	80.4	80.4	80.5	80.8	80.8	81.3	81.9
IV 6000	47.8	67.1	71.3	75.1	77.9	78.5	79.6	80.1	80.3	80.8	80.8	80.9	81.2	81.3	81.7	82.3
IV 4000	48.8	68.7	73.0	76.9	79.6	80.3	81.4	81.9	82.1	82.7	82.7	82.8	83.1	83.1	83.6	84.2
IV 2000	49.5	69.6	74.0	77.8	80.6	81.3	82.4	82.9	83.1	83.6	83.7	83.8	84.1	84.1	84.5	85.2
IV 8000	50.7	71.3	75.7	79.6	82.3	83.0	84.2	84.6	84.8	85.4	85.4	85.5	85.8	85.9	86.3	86.9
IV 6000	51.4	72.4	76.9	80.9	83.8	84.5	85.6	86.1	86.3	86.9	86.9	87.0	87.4	87.4	87.8	88.4
IV 4000	51.8	73.0	77.5	81.5	84.5	85.1	86.3	86.8	86.9	87.5	87.6	87.6	88.0	88.0	88.4	89.1
IV 2000	52.5	74.1	78.6	82.6	85.7	86.3	87.6	88.1	88.2	88.8	88.9	89.0	89.3	89.3	89.8	90.4
IV 8000	52.9	74.7	79.2	83.2	86.2	86.9	88.2	88.6	88.8	89.4	89.5	89.6	89.9	89.9	90.4	91.0
IV 6000	53.6	75.4	80.0	84.0	87.0	87.7	89.0	89.5	89.7	90.3	90.4	90.5	90.8	90.8	91.3	91.9
IV 4000	54.1	76.4	80.9	85.0	88.2	88.9	90.1	90.6	90.8	91.4	91.5	91.6	91.9	92.0	92.4	93.0
IV 2000	54.5	76.9	81.5	85.7	89.0	89.7	91.0	91.5	91.7	92.3	92.4	92.4	92.8	92.8	93.2	93.9
IV 8000	54.5	77.0	81.6	85.8	89.1	89.9	91.2	91.6	91.8	92.4	92.5	92.6	92.9	93.0	93.4	94.0
IV 6000	54.7	77.4	82.0	86.3	89.7	90.4	91.7	92.3	92.6	93.2	93.3	93.3	93.7	93.7	94.1	94.8
IV 4000	55.0	77.7	82.5	86.8	90.3	91.0	92.4	93.0	93.3	93.9	94.0	94.0	94.4	94.4	94.8	95.5
IV 2000	55.1	78.0	82.8	87.2	90.7	91.5	92.9	93.6	93.8	94.4	94.5	94.6	94.9	94.9	95.4	96.0
IV 8000	55.2	78.2	83.0	87.5	91.0	91.8	93.2	93.9	94.1	94.7	94.8	94.9	95.2	95.3	95.7	96.3
IV 6000	55.2	78.3	83.1	87.6	91.1	91.9	93.3	94.0	94.2	94.8	94.9	95.0	95.3	95.4	95.8	96.4
IV 4000	55.2	78.4	83.2	87.8	91.4	92.2	93.6	94.3	94.5	95.1	95.2	95.3	95.6	95.7	96.1	96.7
IV 2000	55.3	78.4	83.3	87.8	91.5	92.4	93.8	94.5	94.7	95.3	95.4	95.5	95.8	95.9	96.3	96.9
IV 8000	55.3	78.4	83.3	87.8	91.6	92.6	94.0	94.8	95.1	95.6	95.8	95.8	96.2	96.2	96.6	97.2
IV 6000	55.3	78.5	83.4	87.9	91.8	92.9	94.3	95.2	95.6	96.2	96.3	96.4	96.8	96.8	97.2	97.8
IV 4000	55.3	78.5	83.4	87.9	91.8	92.9	94.4	95.3	95.8	96.5	96.7	96.8	97.1	97.1	97.6	98.2
IV 2000	55.3	78.5	83.4	87.9	91.8	92.9	94.4	95.4	95.9	96.6	96.8	96.9	97.4	97.4	97.8	98.4
IV 8000	55.3	78.5	83.4	87.9	91.8	92.9	94.4	95.4	95.9	96.6	96.8	96.9	97.4	97.5	97.9	98.9
IV 6000	55.3	78.5	83.4	87.9	91.8	92.9	94.4	95.4	95.9	96.6	96.8	96.9	97.4	97.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2871

DATA PROCESSING BRANCH
USAF ETAC
AIP WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA AFB CALIF/SACRAMENTO 41-72

JEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING Feet	VISIBILITY STATISTICS															
	2	2+	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	27.1	38.3	41.4	45.2	47.9	48.5	49.9	50.8	50.9	51.8	52.1	52.2	52.8	52.9	53.4	54.8
≥ 3000	28.1	39.5	42.9	47.0	49.9	50.5	51.8	52.7	52.8	53.8	54.1	54.2	54.8	54.9	55.4	56.8
≥ 3500	28.1	39.0	43.0	47.2	50.0	50.5	52.0	52.9	53.0	53.9	54.2	54.3	55.0	55.1	55.6	57.0
≥ 4000	28.3	37.9	43.4	47.5	50.4	51.0	52.3	53.2	53.3	54.3	54.5	54.7	55.3	55.4	55.9	57.3
≥ 4500	28.7	40.5	44.0	48.1	51.1	51.7	53.1	54.0	54.1	55.0	55.3	55.4	56.1	56.2	56.7	59.1
≥ 5000	29.1	41.1	44.7	49.0	52.0	52.6	54.1	55.0	55.1	56.1	56.4	56.5	57.2	57.3	57.9	59.3
≥ 5500	29.5	42.1	45.7	50.0	53.1	53.7	55.2	56.1	56.3	57.4	57.7	57.8	58.4	58.5	59.1	60.5
≥ 6000	29.8	42.6	46.4	50.6	53.8	54.4	55.8	56.3	57.0	58.0	58.4	58.4	59.1	59.2	59.9	61.2
≥ 6500	30.4	43.3	47.1	51.6	54.7	55.3	56.8	57.8	58.0	59.1	59.4	59.5	60.2	60.3	60.9	62.3
≥ 7000	31.0	44.2	48.0	52.6	55.8	56.4	58.0	59.0	59.1	60.3	60.6	60.7	61.3	61.4	62.1	63.4
≥ 7500	31.6	45.0	49.0	53.8	57.2	57.7	59.3	60.3	60.5	61.5	62.0	62.0	62.7	62.8	63.4	64.8
≥ 8000	32.7	46.5	50.5	55.5	58.9	59.6	61.2	62.2	62.4	63.5	63.9	63.9	64.7	64.8	65.4	66.7
≥ 8500	33.3	47.2	51.4	56.3	59.8	60.5	62.1	63.2	63.4	64.6	64.9	65.0	65.7	65.8	66.4	67.8
≥ 9000	33.9	48.0	52.3	57.4	60.9	61.6	63.3	64.4	64.7	65.8	66.2	66.2	66.9	67.0	67.7	69.0
≥ 9500	34.5	48.9	53.2	58.3	62.0	62.7	64.4	65.5	65.8	66.9	67.3	67.4	68.1	68.2	68.8	70.2
≥ 10000	35.2	50.1	54.4	59.7	63.4	64.2	66.0	67.1	67.3	68.6	68.9	69.0	69.7	69.8	70.4	71.8
≥ 10500	36.0	51.2	55.6	60.8	64.6	65.4	67.2	68.3	68.5	69.8	70.1	70.2	70.9	71.0	71.6	73.0
≥ 11000	36.8	52.8	57.6	63.0	67.0	67.9	69.8	70.8	71.1	72.5	72.8	72.9	73.6	73.7	74.3	75.7
≥ 11500	37.1	53.4	58.2	63.6	67.7	68.5	70.4	71.5	71.7	73.1	73.4	73.5	74.2	74.3	74.9	76.3
≥ 12000	37.5	54.5	59.2	64.7	68.9	69.8	71.7	72.8	73.1	74.5	74.8	74.9	75.6	75.7	76.3	77.7
≥ 12500	37.7	55.2	60.1	65.9	70.4	71.3	73.3	74.5	74.8	76.2	76.5	76.6	77.3	77.4	78.0	79.4
≥ 13000	37.8	55.6	60.5	66.6	71.2	72.1	74.2	75.5	75.8	77.1	77.5	77.5	78.3	78.4	79.0	80.4
≥ 13500	37.9	55.9	60.9	67.0	71.8	72.7	74.8	76.1	76.5	77.9	78.2	78.3	79.1	79.2	79.8	81.2
≥ 14000	37.9	56.0	61.0	67.3	72.2	73.2	75.4	76.7	77.0	78.5	78.8	78.9	79.7	79.8	80.4	81.8
≥ 14500	38.0	56.2	61.2	67.8	72.8	73.8	76.1	77.4	77.8	79.3	79.7	79.7	80.6	80.7	81.3	82.7
≥ 15000	38.1	56.4	61.5	68.1	73.7	74.8	77.1	78.5	78.8	80.4	80.8	80.8	81.6	81.8	82.4	83.8
≥ 15500	38.1	56.5	61.6	68.2	74.1	75.3	77.8	79.3	79.7	81.3	81.7	81.7	82.5	82.7	83.3	84.7
≥ 16000	38.1	56.6	61.6	68.4	74.5	75.8	78.6	80.3	80.8	82.4	82.9	83.0	83.8	84.0	84.6	86.1
≥ 16500	38.1	56.6	61.6	68.5	75.0	76.4	79.4	81.5	82.1	83.9	84.5	84.6	85.6	85.8	86.5	88.0
≥ 17000	38.1	56.6	61.6	68.5	75.2	76.6	79.8	82.2	83.0	85.5	86.5	86.8	88.4	88.9	90.0	91.9
≥ 17500	38.1	56.6	61.6	68.5	75.2	76.6	79.8	82.3	83.1	85.8	86.9	87.2	88.9	89.8	91.6	95.1
≥ 18000	38.1	56.6	61.6	68.5	75.2	76.6	79.8	82.3	83.1	85.8	87.0	87.3	89.0	89.9	91.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2962

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 40-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0500

CEILING FEET	VISIBILITY STATUTES MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEILING	25.2	36.4	39.0	42.4	44.7	45.1	46.5	47.1	47.2	48.1	48.0	48.6	49.3	49.6	50.3	52.0
≥ 10000	26.0	37.5	41.1	44.0	46.3	46.7	48.2	48.8	48.9	49.9	50.3	50.4	51.2	51.4	52.2	54.0
≥ 8000	26.0	37.5	41.1	44.0	46.4	46.8	48.2	48.9	48.9	49.9	50.4	50.4	51.2	51.5	52.3	54.0
≥ 6000	26.1	37.7	41.3	44.2	46.6	47.0	48.4	49.1	49.1	50.1	50.6	50.6	51.4	51.7	52.5	54.2
≥ 4000	26.3	37.9	41.6	44.5	45.8	47.2	48.7	49.3	49.4	50.3	50.3	50.9	51.7	51.9	52.7	54.5
≥ 2000	26.5	38.3	42.1	45.0	47.5	47.9	49.4	50.0	50.1	51.1	51.6	51.3	52.5	52.8	53.6	55.4
≥ 1000	27.2	39.3	43.2	46.1	48.6	49.0	50.5	51.1	51.2	52.2	52.7	52.6	53.6	53.9	54.7	56.5
≥ 800	27.6	39.7	43.6	46.5	49.1	49.5	51.0	51.7	51.7	52.8	53.3	53.4	54.1	54.4	55.2	57.0
≥ 600	28.3	40.9	44.8	47.8	50.6	51.0	52.6	53.2	53.3	54.4	54.9	55.0	55.6	56.1	56.9	58.7
≥ 500	28.9	41.0	45.7	48.7	51.5	51.9	53.5	54.2	54.2	55.3	55.8	56.0	56.8	57.1	57.8	59.6
≥ 400	29.7	42.8	46.8	49.9	52.8	53.2	54.8	55.5	55.6	56.7	57.2	57.4	58.1	58.4	59.2	61.0
≥ 300	30.8	44.4	48.5	51.6	54.5	54.9	56.7	57.4	57.5	58.6	59.1	59.3	60.1	60.4	61.1	62.9
≥ 250	31.5	45.2	49.5	52.6	55.5	56.0	57.8	58.6	58.7	59.8	60.3	60.5	61.2	61.5	62.3	64.1
≥ 200	32.0	46.3	50.8	54.1	57.1	57.5	59.4	60.2	60.3	61.3	61.9	62.1	62.8	63.1	63.9	65.7
≥ 150	32.9	47.7	52.3	55.6	58.7	59.2	61.0	61.8	61.9	63.0	63.5	63.7	64.5	64.8	65.5	67.3
≥ 100	34.0	49.2	54.0	57.4	60.6	61.0	62.9	63.7	63.8	65.0	65.5	65.7	66.5	66.8	67.6	69.4
≥ 80	34.7	50.4	55.3	58.6	61.9	62.4	64.3	65.1	65.2	66.4	67.0	67.2	68.0	68.3	69.0	70.8
≥ 50	35.3	51.5	56.5	60.0	63.4	64.0	66.0	66.9	67.0	68.2	68.8	69.0	69.8	70.1	70.9	72.7
≥ 40	35.6	52.0	57.0	60.5	64.1	64.7	66.7	67.6	67.7	68.9	69.5	69.7	70.5	70.8	71.6	73.4
≥ 30	35.8	52.9	58.0	61.6	65.2	65.9	67.9	68.8	68.9	70.2	70.3	71.0	71.7	72.1	72.8	74.6
≥ 20	36.1	53.7	58.9	62.7	66.4	67.1	69.2	70.2	70.3	71.7	72.3	72.5	73.2	73.6	74.4	76.1
≥ 10	36.2	54.6	59.9	63.8	67.7	68.5	70.7	71.7	71.9	73.3	74.0	74.2	75.0	75.3	76.1	77.9
≥ 8	36.3	54.8	60.2	64.2	68.2	68.9	71.2	72.2	72.4	73.9	74.6	74.8	75.5	75.9	76.7	78.5
≥ 6	36.4	55.0	60.4	64.6	68.7	69.6	71.9	73.0	73.1	74.6	75.3	75.5	76.3	76.6	77.4	79.2
≥ 4	36.5	55.2	60.7	64.9	69.4	70.3	72.7	73.8	74.0	75.5	76.2	76.4	77.2	77.5	78.4	80.2
≥ 3	36.7	55.4	61.0	65.4	70.4	71.3	73.8	75.0	75.1	76.8	77.5	77.7	78.4	78.7	79.7	81.5
≥ 2	36.7	55.5	61.1	65.6	70.7	71.8	74.4	75.7	75.9	77.6	78.3	78.7	79.4	79.8	80.7	82.5
≥ 1	36.7	55.5	61.2	65.7	71.2	72.5	75.4	76.9	77.3	79.2	80.1	80.3	81.3	81.7	82.7	84.7
≥ 0	36.7	55.5	61.2	65.8	71.6	73.0	76.2	78.1	78.7	80.9	81.9	82.2	83.3	83.5	84.9	87.1
≥ 0	36.7	55.5	61.3	65.9	71.9	73.3	76.6	78.8	79.6	82.4	83.8	84.3	86.1	86.9	88.5	91.2
≥ 0	36.7	55.5	61.3	65.9	71.9	73.3	76.7	78.9	79.7	82.7	84.2	84.8	87.0	88.0	90.2	94.6
≥ 0	36.7	55.5	61.3	65.9	71.9	73.3	76.7	78.9	79.7	82.7	84.3	84.9	87.1	88.2	90.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3027

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA, AFB CALIF/SACRAMENTO

30-72

JEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-100

CEILING FEET		VISIBILITY STATUTES MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100
INFINITY	2000	20.2	27.3	29.9	33.3	36.7	37.5	39.2	40.8	41.2	42.0	42.5	42.7	43.1	43.2	43.7	44.5
	1000	22.3	30.7	33.5	37.5	41.3	42.1	44.2	45.9	46.4	47.3	47.9	48.0	48.5	48.6	49.3	50.2
V 1000	1000	22.4	30.8	33.6	37.6	41.4	42.3	44.5	46.2	46.6	47.6	48.2	48.3	48.8	48.9	49.6	50.5
	500	22.4	30.9	33.8	37.9	41.8	42.6	44.8	46.6	47.1	48.0	48.6	48.7	49.3	49.4	50.1	51.0
V 500	1000	22.7	31.5	34.4	38.6	42.6	43.5	45.8	47.7	48.1	49.1	49.7	49.9	50.3	50.4	51.1	52.1
	500	23.2	32.2	35.3	39.7	43.8	44.8	47.1	49.1	49.5	50.4	51.1	51.1	51.7	51.8	52.5	53.4
V 500	1000	23.8	33.0	36.2	40.7	44.9	46.0	48.4	50.4	50.9	51.8	52.5	52.5	53.1	53.2	53.9	54.8
	500	24.2	33.6	36.8	41.3	45.6	46.7	49.1	51.1	51.6	52.7	53.3	53.4	53.9	54.0	54.7	55.6
V 500	1000	24.8	34.6	37.9	42.4	46.8	47.9	50.4	52.5	53.1	54.1	54.8	54.9	55.4	55.5	56.2	57.1
	500	25.6	35.6	38.9	43.5	47.9	49.0	51.5	53.7	54.3	55.3	56.0	56.1	56.7	56.8	57.5	58.4
V 500	1000	26.2	36.7	40.3	45.1	49.7	50.8	53.5	55.7	56.3	57.4	58.1	58.1	58.8	58.9	59.6	60.5
	500	27.1	38.0	41.8	46.6	51.3	52.5	55.3	57.6	58.2	59.3	60.1	60.1	60.7	60.8	61.5	62.5
V 500	1000	28.0	39.1	42.8	47.8	52.6	53.7	56.6	58.9	59.5	60.7	61.4	61.4	62.1	62.2	62.9	63.8
	500	28.5	40.0	43.9	49.0	53.8	55.0	57.8	60.2	60.8	62.0	62.7	62.8	63.4	63.5	64.2	65.1
V 500	1000	28.8	40.5	44.5	49.7	54.5	55.7	58.6	61.0	61.7	62.8	63.6	63.6	64.3	64.4	65.1	66.0
	500	29.4	41.6	45.7	50.9	55.9	57.0	60.1	62.6	63.3	64.5	65.2	65.3	65.9	66.0	66.7	67.7
V 500	1000	29.8	42.2	46.3	51.6	56.7	58.1	61.4	64.0	64.7	65.9	66.7	66.8	67.4	67.5	68.2	69.2
	500	30.1	42.7	47.1	52.7	58.2	59.4	63.0	65.6	66.4	67.7	68.5	68.5	69.2	69.3	70.0	71.0
V 500	1000	30.2	42.8	47.2	52.9	58.5	59.3	63.4	66.1	66.8	68.2	69.0	69.1	69.8	69.8	70.5	71.5
	500	30.5	43.7	48.1	54.0	59.9	61.3	65.0	67.6	68.4	69.8	70.7	70.8	71.5	71.6	72.3	73.2
V 500	1000	30.8	44.1	48.8	54.8	60.7	62.2	66.1	69.0	69.8	71.3	72.3	72.3	73.1	73.1	73.9	74.8
	500	30.9	44.6	49.5	55.7	62.0	63.6	67.9	70.9	71.8	73.5	74.5	74.6	75.3	75.4	76.2	77.1
V 500	1000	31.0	44.8	49.8	56.1	62.5	64.1	68.6	71.7	72.5	74.4	75.4	75.4	76.2	76.3	77.0	78.0
	500	31.1	45.1	50.1	56.6	63.2	64.9	69.6	73.1	74.0	76.0	77.0	77.1	77.9	78.0	78.7	79.7
V 500	1000	31.1	45.2	50.2	56.8	63.8	65.6	70.7	74.3	75.2	77.3	78.4	78.5	79.4	79.5	80.2	81.2
	500	31.1	45.3	50.4	57.1	64.3	66.3	71.8	75.6	76.6	78.8	79.9	79.9	80.8	80.9	81.7	82.7
V 500	1000	31.1	45.4	50.6	57.4	65.0	67.0	72.9	77.2	78.4	81.1	82.4	82.5	83.4	83.5	84.3	85.3
	500	31.2	45.5	50.6	57.5	65.2	67.3	73.5	78.3	79.9	83.0	84.7	84.8	85.8	86.0	86.9	88.1
V 500	1000	31.2	45.5	50.7	57.5	65.3	67.5	73.8	79.0	81.0	84.7	87.2	87.5	88.7	89.1	90.4	91.7
	500	31.2	45.5	50.7	57.5	65.3	67.6	73.9	79.3	81.5	85.5	88.6	88.9	90.7	91.4	93.1	95.3
V 500	1000	31.2	45.5	50.7	57.5	65.3	67.6	73.9	79.3	81.5	85.5	88.7	89.0	91.1	92.0	94.0	97.7
	500	31.2	45.5	50.7	57.5	65.3	67.6	73.9	79.3	81.5	85.5	88.7	89.0	91.1	92.1	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 3154

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23208

MCCLLELLAN AFB CALIF/SACRAMENTO

39-72

EC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

1000	23.4	31.2	34.5	37.8	41.4	42.1	43.5	44.9	45.1	46.1	46.6	46.6	46.7	46.8	46.9	46.9
900	20.5	26.4	39.1	42.9	47.2	48.2	49.8	51.5	51.7	52.8	53.2	53.3	53.4	53.4	53.5	53.6
800	26.6	36.6	39.3	43.1	47.4	48.2	50.0	51.7	51.9	52.0	53.5	53.5	51.6	52.7	53.8	53.9
700	25.9	37.2	39.7	43.5	48.0	48.9	50.8	52.5	52.7	53.8	54.3	54.3	54.4	54.5	54.6	54.6
600	27.5	37.8	40.6	44.6	49.2	50.2	52.2	54.0	54.3	54.3	55.8	55.8	55.9	56.0	56.1	56.2
500	28.1	38.7	41.5	45.5	50.4	51.5	53.5	55.3	55.6	56.6	57.1	57.1	57.2	57.3	57.4	57.5
400	28.9	39.9	43.0	47.1	52.1	53.2	55.3	57.1	57.4	58.5	58.9	59.0	59.1	59.1	59.2	59.3
300	29.4	40.6	43.7	47.9	52.9	54.0	56.2	58.0	58.3	59.3	59.6	59.6	60.0	60.0	60.1	60.2
200	30.0	41.5	44.6	48.8	54.0	55.1	57.2	59.1	59.3	60.4	60.9	61.0	61.1	61.1	61.2	61.3
100	30.7	42.4	45.6	49.8	55.1	56.2	58.4	60.2	60.5	61.5	62.0	62.1	62.2	62.3	62.4	62.4
50	31.5	43.6	47.2	51.5	56.8	58.0	60.3	62.7	62.4	63.6	64.0	64.1	64.2	64.3	64.4	64.4
0	32.4	44.9	48.7	53.2	58.7	59.9	62.3	64.1	64.5	65.6	66.1	66.2	66.3	66.3	66.4	66.5
1000	33.0	45.6	49.5	53.9	59.4	60.5	63.1	65.0	65.3	66.4	66.9	67.0	67.1	67.1	67.2	67.3
900	33.7	46.6	50.6	55.0	60.8	62.0	64.5	66.1	66.8	67.9	68.4	68.5	68.6	68.6	68.7	68.8
800	34.1	47.2	51.2	55.7	61.6	62.9	65.5	67.1	67.7	68.8	69.3	69.4	69.5	69.5	69.7	69.7
700	35.2	48.5	52.5	57.1	63.1	64.4	67.1	69.1	69.4	70.6	71.1	71.2	71.3	71.3	71.4	71.5
600	36.1	49.6	53.8	58.5	64.7	66.1	68.9	70.9	71.2	72.5	73.0	73.1	73.2	73.2	73.3	73.4
500	36.8	50.9	55.2	60.1	66.5	68.0	70.9	72.1	73.3	74.6	75.1	75.2	75.3	75.3	75.4	75.5
400	37.0	51.3	55.6	60.5	67.1	68.6	71.5	73.6	73.9	75.2	75.8	75.8	75.9	76.0	76.1	76.2
300	37.7	52.6	57.1	62.3	69.1	70.7	73.9	75.1	76.5	77.8	78.4	78.4	78.6	78.6	78.7	78.8
200	38.2	53.5	58.2	63.6	71.1	72.7	76.1	78.6	78.9	80.3	80.9	81.0	81.1	81.1	81.2	81.3
100	38.4	54.1	58.9	64.5	72.8	74.6	78.4	81.1	81.5	82.9	83.5	83.6	83.7	83.8	83.9	84.0
50	38.5	54.3	59.1	64.8	73.3	75.3	79.3	82.3	82.7	84.2	84.8	84.9	85.1	85.2	85.3	85.3
0	38.6	54.5	59.5	65.5	74.3	76.6	80.7	84.3	84.7	86.3	87.1	87.1	87.3	87.3	87.4	87.5
1000	38.6	54.6	59.8	65.8	75.0	77.4	81.9	85.5	86.0	87.7	88.4	88.5	88.7	88.7	88.8	88.9
900	38.6	54.6	59.9	66.1	75.6	78.0	83.0	87.0	87.7	89.5	90.3	90.4	90.5	90.6	90.7	90.7
800	38.6	54.7	60.0	66.4	76.1	78.7	84.0	88.4	89.1	91.7	92.6	92.7	92.8	92.9	93.0	93.1
700	38.6	54.7	60.1	66.5	76.2	78.8	84.5	89.4	90.5	93.5	94.7	94.8	95.1	95.2	95.4	95.5
600	38.6	54.7	60.1	66.5	76.3	79.0	84.6	89.9	91.2	94.7	96.5	96.7	96.9	97.2	97.6	97.7
500	38.6	54.7	60.1	66.5	76.3	79.0	84.6	90.0	91.3	95.1	97.2	97.5	97.9	98.4	98.8	99.3
400	38.6	54.7	60.1	66.5	76.3	79.0	84.6	90.0	91.3	95.1	97.2	97.5	97.9	98.4	99.0	99.7
300	38.6	54.7	60.1	66.5	76.3	79.0	84.6	90.0	91.3	95.1	97.2	97.5	98.0	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 3155

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLAN AFB CALIF/SACRAMENTO 29-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATISTICS															
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	76.4	35.7	38.4	42.1	46.3	47.1	48.9	50.0	53.2	51.1	51.7	51.7	51.8	51.9	51.9	52.0
≥ 1000	30.7	41.4	44.5	48.7	53.4	54.2	56.2	57.5	57.6	58.6	59.2	59.2	59.4	59.4	59.5	59.6
IV 8000	31.0	41.8	44.9	49.1	53.8	54.7	56.7	57.9	58.1	59.0	59.6	59.6	59.8	59.9	59.9	60.1
IV 6000	31.2	42.0	45.1	49.4	54.2	55.0	57.1	58.4	58.6	59.5	60.1	60.1	60.3	60.4	60.4	60.5
IV 4000	31.6	42.6	45.8	50.2	55.4	56.3	58.6	59.8	60.0	61.0	61.6	61.6	61.8	61.8	61.9	62.0
IV 2000	32.5	44.7	47.2	51.7	56.9	58.0	60.2	61.6	61.8	62.8	63.3	63.3	63.5	63.6	63.6	63.8
IV 1000	33.2	44.9	48.2	52.9	58.3	59.4	61.8	63.2	63.5	64.4	65.1	65.1	65.2	65.3	65.3	65.5
IV 800	33.7	45.5	48.8	53.5	58.9	60.1	62.5	63.9	64.2	65.1	65.7	65.7	65.9	66.0	66.0	66.2
IV 600	34.3	46.4	49.9	54.5	60.2	61.5	64.1	65.5	65.8	66.7	67.4	67.4	67.6	67.7	67.7	67.9
IV 400	34.7	47.0	50.7	55.5	61.3	62.5	65.2	66.6	66.9	67.9	68.6	68.6	68.8	68.8	68.9	69.0
IV 200	35.2	48.0	51.8	56.7	62.5	63.8	66.5	68.1	68.4	69.4	70.0	70.0	70.2	70.3	70.3	70.5
IV 100	36.0	49.1	53.2	58.2	64.3	65.6	68.4	70.0	70.3	71.3	72.0	72.0	72.2	72.2	72.3	72.4
IV 80	36.6	49.8	54.0	59.1	65.2	66.5	69.3	70.9	71.2	72.2	72.9	72.9	73.1	73.1	73.2	73.3
IV 60	37.5	51.2	55.5	60.6	67.0	68.3	71.2	72.8	73.1	74.1	74.8	74.8	75.0	75.0	75.1	75.2
IV 40	37.8	51.8	56.1	61.3	67.8	69.2	72.2	73.9	74.2	75.2	75.9	75.9	76.1	76.2	76.2	76.4
IV 20	38.5	52.8	57.2	62.5	69.1	70.6	73.7	75.4	75.8	76.8	77.6	77.6	77.7	77.8	77.8	78.0
IV 10	39.2	53.7	58.1	63.5	70.2	71.7	74.8	76.6	77.0	78.1	78.8	78.8	79.0	79.0	79.1	79.2
IV 5	39.6	54.6	59.2	64.7	71.9	73.1	76.6	78.5	78.9	80.0	80.7	80.7	80.9	81.0	81.0	81.2
IV 2	39.6	54.8	59.4	65.0	72.1	73.6	77.0	78.9	79.5	80.5	81.2	81.2	81.4	81.5	81.5	81.7
IV 1	40.1	55.5	60.4	66.2	73.0	75.3	78.8	80.8	81.4	82.4	83.1	83.1	83.3	83.4	83.4	83.6
IV 1/2	40.4	56.4	61.4	67.5	73.4	77.1	80.7	82.7	83.3	84.3	85.1	85.1	85.2	85.3	85.3	85.5
IV 1/4	40.6	56.8	62.0	68.6	77.1	78.9	82.8	84.9	85.5	86.6	87.3	87.3	87.6	87.6	87.7	87.9
IV 1/8	40.6	56.8	62.1	68.8	77.5	79.4	83.6	86.0	86.6	87.8	88.5	88.5	88.7	88.8	88.8	89.0
IV 1/16	40.6	56.9	62.2	69.0	78.0	80.1	84.7	87.3	88.0	89.2	90.0	90.0	90.2	90.3	90.3	90.5
IV 1/32	40.6	57.0	62.3	69.2	78.5	80.6	85.7	88.7	89.1	90.5	91.2	91.2	91.5	91.5	91.6	91.8
IV 1/64	40.6	57.1	62.4	69.4	79.0	81.2	86.7	89.8	90.8	92.4	93.2	93.2	93.5	93.6	93.6	93.8
IV 1/128	40.7	57.2	62.5	69.7	79.4	81.8	87.5	91.1	92.4	94.3	95.3	95.4	95.9	95.9	96.0	96.2
IV 1/256	40.7	57.2	62.7	69.7	79.5	81.9	87.7	91.7	93.1	95.2	96.3	96.4	97.0	97.1	97.2	97.4
IV 1/512	40.7	57.2	62.7	69.7	79.5	81.9	87.7	91.9	93.5	95.9	97.3	97.5	98.2	98.3	98.3	98.5
IV 1/1024	40.7	57.2	62.7	69.7	79.5	81.9	87.7	91.9	93.5	95.9	97.3	97.6	98.3	98.5	98.5	98.6
IV 0	40.7	57.2	62.7	69.7	79.5	81.9	87.7	91.9	93.5	95.9	97.3	97.6	98.3	98.5	98.5	98.6

TOTAL NUMBER OF OBSERVATIONS 3105

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

23208 MCCLELLA AFB CALIF/SACRAMENTO 40-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTES MILES															
	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
NO CEILING	30.9	41.7	45.7	50.0	52.5	53.5	54.7	55.4	55.5	56.5	56.6	56.6	56.9	56.9	57.2	57.5
≥ 10000	32.3	43.6	48.0	52.6	55.3	56.3	57.7	58.4	58.5	59.5	59.6	59.7	59.9	59.9	60.2	60.6
IV 8000	32.6	44.1	48.3	52.9	55.6	56.6	57.9	58.7	58.8	59.8	59.9	60.0	60.2	60.2	60.5	60.9
IV 6000	32.7	44.4	48.7	53.3	56.0	57.0	58.3	59.1	59.2	60.2	60.3	60.4	60.6	60.6	60.9	61.3
IV 4000	33.2	44.9	49.3	54.2	57.0	58.1	59.5	60.3	60.4	61.4	61.5	61.6	61.8	61.8	62.1	62.5
IV 2000	33.9	45.9	50.4	55.5	58.3	59.4	60.9	61.6	61.8	62.8	62.9	63.0	63.2	63.2	63.5	63.9
IV 1000	34.9	47.5	52.0	57.1	60.3	61.4	63.0	63.8	63.9	64.9	65.1	65.1	65.4	65.4	65.7	66.1
IV 800	35.2	47.9	52.5	57.6	60.8	61.9	63.5	64.3	64.4	65.4	65.6	65.6	65.8	65.8	66.2	66.6
IV 600	35.6	48.5	53.4	58.6	62.0	63.1	64.8	65.5	65.7	66.7	66.9	66.9	67.2	67.2	67.5	67.9
IV 400	36.1	49.4	54.4	59.7	63.1	64.3	65.9	66.7	66.9	67.9	68.1	68.1	68.4	68.4	68.7	69.1
IV 200	36.8	50.3	55.4	60.8	64.2	65.4	67.1	67.9	68.1	69.1	69.3	69.4	69.6	69.6	69.9	70.3
IV 100	37.9	51.8	57.0	62.5	66.0	67.2	68.9	69.7	69.9	70.9	71.1	71.2	71.4	71.4	71.7	72.1
IV 0	38.7	52.7	57.9	63.4	66.9	68.2	70.0	70.8	71.0	72.0	72.2	72.3	72.5	72.5	72.8	73.2
IV 10000	39.3	53.9	59.2	64.7	68.4	69.7	71.6	72.4	72.6	73.6	73.8	73.8	74.1	74.1	74.4	74.8
IV 8000	39.9	54.8	60.1	65.7	69.4	70.7	72.7	73.5	73.7	74.7	75.0	75.0	75.2	75.2	75.6	76.0
IV 6000	40.6	56.2	61.7	67.4	71.3	72.6	74.6	75.4	75.6	76.9	77.1	77.2	77.4	77.4	77.7	78.1
IV 4000	41.1	57.0	62.7	68.4	72.5	73.8	75.9	76.8	77.1	78.2	78.4	78.4	78.7	78.7	79.0	79.4
IV 2000	41.6	57.8	63.7	69.5	73.7	75.1	77.1	78.1	78.4	79.5	79.8	79.8	80.0	80.0	80.4	80.8
IV 1000	41.9	58.3	64.2	70.1	74.3	75.7	77.8	78.9	79.1	80.3	80.5	80.6	80.8	80.8	81.1	81.5
IV 800	42.3	59.2	65.1	71.0	75.4	76.9	79.0	80.1	80.4	81.5	81.7	81.8	82.0	82.0	82.3	82.7
IV 600	42.8	60.3	66.3	72.6	77.2	78.6	80.8	81.9	82.1	83.3	83.5	83.6	83.8	83.8	84.1	84.5
IV 400	43.1	60.9	67.2	73.7	78.8	80.3	82.4	83.6	83.9	85.0	85.3	85.3	85.6	85.6	85.9	86.3
IV 200	43.1	61.1	67.6	74.3	79.6	81.0	83.2	84.4	84.7	85.8	86.1	86.1	86.4	86.4	86.7	87.1
IV 100	43.2	61.3	67.9	74.6	80.1	81.6	83.9	85.2	85.5	86.7	86.9	87.0	87.2	87.2	87.6	88.0
IV 0	43.2	61.4	68.2	74.9	80.7	82.3	84.7	86.3	86.7	87.8	88.1	88.1	88.4	88.4	88.7	89.1
IV 10000	43.2	61.5	68.4	75.3	81.4	83.0	85.6	87.6	88.0	89.2	89.5	89.5	89.8	89.8	90.2	90.6
IV 8000	43.2	61.5	68.4	75.4	82.2	84.0	87.1	89.5	90.0	91.2	91.5	91.6	91.9	92.0	92.3	92.7
IV 6000	43.2	61.6	68.5	75.5	82.6	84.6	88.1	90.6	91.3	92.6	92.9	93.0	93.3	93.4	93.8	94.3
IV 4000	43.2	61.6	68.5	75.6	83.0	85.1	88.6	91.3	92.1	93.6	94.1	94.1	94.5	94.6	95.0	95.5
IV 2000	43.2	61.6	68.5	75.7	83.1	85.2	88.8	91.7	92.6	94.4	95.1	95.1	95.8	95.9	96.3	97.0
IV 1000	43.2	61.6	68.5	75.7	83.1	85.2	88.8	91.7	92.6	94.4	95.1	95.2	96.0	96.1	96.7	98.3
IV 800	43.2	61.6	68.5	75.7	83.1	85.2	88.8	91.7	92.6	94.4	95.1	95.2	96.0	96.1	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3013

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23202

MCCLELLAN AFB CALIF/SACRAMENTO

41-72

IFC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATISTICS															
	> 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10
NO CEILING	28.2	39.6	43.0	47.0	50.2	50.7	52.1	52.2	53.1	54.2	54.7	54.8	55.3	55.4	55.7	56.5
≥ 1000'	29.3	41.3	44.8	48.9	52.3	52.8	54.2	55.1	55.2	56.5	56.9	57.0	57.6	57.6	58.0	58.8
IV 800'	29.5	41.5	45.1	49.2	52.6	53.1	54.5	55.4	55.5	56.8	57.2	57.3	57.9	57.9	58.2	59.1
IV 600'	29.6	41.7	45.2	49.3	52.7	53.2	54.6	55.5	55.6	56.9	57.3	57.4	58.0	58.1	58.4	59.2
IV 400'	29.9	42.1	45.7	49.9	53.6	54.2	55.6	56.5	56.7	58.0	58.4	58.5	59.0	59.1	59.4	60.3
IV 200'	30.6	42.9	46.5	51.2	55.0	55.6	57.1	58.0	58.1	59.4	59.9	60.0	60.5	60.6	60.9	61.7
IV 100'	31.4	43.9	47.8	52.5	56.5	57.1	58.6	59.6	59.7	61.0	61.5	61.6	62.1	62.2	62.5	63.4
IV 50'	31.7	44.4	48.4	53.1	57.1	57.7	59.3	60.2	60.4	61.7	62.1	62.2	62.8	62.8	63.1	64.0
IV 30'	32.3	45.3	49.4	54.2	58.2	58.8	60.4	61.4	61.6	62.9	63.4	63.5	64.1	64.1	64.4	65.3
IV 15'	32.9	46.1	50.4	55.2	59.3	60.0	61.6	62.7	62.9	64.2	64.7	64.8	65.3	65.4	65.7	66.6
IV 7.5'	34.0	47.5	51.7	56.7	60.8	61.5	63.1	64.3	64.4	65.7	66.2	66.3	66.9	66.9	67.2	68.1
IV 3.75'	35.2	48.8	53.2	58.2	62.4	63.2	64.8	66.0	66.2	67.4	68.0	68.1	68.6	68.7	69.0	69.9
IV 1.875'	36.0	50.0	54.4	59.4	63.7	64.5	66.1	67.3	67.4	68.7	69.2	69.3	69.9	70.0	70.3	71.2
IV 0.9375'	36.8	51.0	55.4	60.6	65.0	65.8	67.5	68.8	68.9	70.2	70.7	70.8	71.4	71.4	71.8	72.7
IV 0.46875'	37.6	52.0	56.6	61.7	66.2	67.0	68.7	70.0	70.2	71.4	72.0	72.1	72.6	72.7	73.0	73.9
IV 0.234375'	38.4	53.2	57.9	63.2	67.7	68.6	70.4	71.7	71.9	73.1	73.7	73.8	74.3	74.4	74.7	75.6
IV 0.1171875'	39.2	54.3	59.1	64.4	69.1	70.0	71.7	73.1	73.3	74.6	75.1	75.2	75.8	75.8	76.2	77.1
IV 0.05859375'	39.6	55.5	60.3	65.8	70.6	71.5	73.3	74.7	75.0	76.3	76.8	76.9	77.4	77.4	77.9	78.8
IV 0.029296875'	39.7	55.8	60.6	66.1	71.0	71.9	73.7	75.1	75.3	76.6	77.1	77.2	77.8	77.9	78.3	79.1
IV 0.0146484375'	40.3	56.6	61.4	67.0	72.0	72.9	74.8	76.2	76.5	77.8	78.3	78.4	79.0	79.0	79.5	80.3
IV 0.00732421875'	40.7	57.5	62.4	68.2	73.4	74.4	76.3	77.8	78.0	79.4	79.9	80.0	80.5	80.6	81.0	81.9
IV 0.003662109375'	40.9	58.0	63.0	69.1	74.5	75.5	77.4	78.9	79.2	80.6	81.1	81.2	81.7	81.8	82.2	83.1
IV 0.0018310546875'	41.0	58.2	63.3	69.5	75.0	76.1	77.9	79.5	79.8	81.2	81.7	81.8	82.4	82.4	82.8	83.7
IV 0.00091552734375'	41.1	58.4	63.6	70.0	75.7	76.8	78.7	80.3	80.5	81.9	82.5	82.6	83.1	83.2	83.6	84.5
IV 0.000457763671875'	41.3	58.7	63.9	70.3	76.3	77.4	79.3	81.0	81.3	82.7	83.2	83.4	83.9	84.0	84.4	85.3
IV 0.0002288818359375'	41.3	58.8	64.1	70.5	77.0	78.1	80.2	82.1	82.4	83.9	84.5	84.6	85.1	85.2	85.6	86.5
IV 0.00011444091796875'	41.3	58.9	64.2	70.7	77.7	78.8	81.2	83.4	83.7	85.2	85.9	86.0	86.5	86.6	87.0	87.9
IV 0.000057220458984375'	41.4	59.0	64.4	71.0	78.6	79.8	82.5	85.0	85.5	87.1	87.9	88.0	88.6	88.7	89.1	90.1
IV 0.0000286102294921875'	41.4	59.1	64.5	71.1	78.9	80.2	83.2	85.9	86.6	88.6	89.4	89.5	90.3	90.5	90.9	91.9
IV 0.00001430511474609375'	41.4	59.1	64.5	71.1	78.9	80.3	83.6	86.4	87.2	89.4	90.5	90.7	92.0	92.2	92.7	93.9
IV 0.000007152557373046875'	41.4	59.1	64.5	71.1	79.0	80.3	83.6	86.4	87.3	89.6	90.8	91.0	92.4	92.8	93.8	96.3
IV 0.0000035762786865234375'	41.4	59.1	64.5	71.1	79.0	80.3	83.6	86.4	87.3	89.6	90.8	91.0	92.5	92.8	93.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2949

SKY COVER SUMMARY

The individual increments formerly reported in total sky cover of airways observations are no longer available from the source data from Jan 71 and later. Increments reported after 1970 are clear, scattered, broken, overcast, partial obscuration and obscured (0, 3, 9, or 10). Therefore, the sky cover summary for this station is limited to the period through Dec 70.

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING AND
STATION/USAF
AIR-WEATHER SERVICE / 40

SKY COVER

332. MEDELLA AF CALIF/SACR. T.

45-7

1-1

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	38.0	3.1	4.1	2.3	2.2	3.1	1.7	2.6	2.0	2.5	3.7	4.6	16593
FEB		39.1	2.3	5.2	2.4	2.0	2.8	2.1	2.9	4.0	2.7	21.7	4.6	16928
MAR		42.2	3.0	5.7	3.3	3.2	3.4	2.5	3.7	5.0	3.1	23.7	4.0	15570
APR		47.4	4.0	5.0	3.3	3.3	3.0	2.0	3.9	2.1	3.0	17.1	3.4	17990
MAY		54.3	5.1	6.4	3.1	2.9	3.3	2.7	3.0	4.2	2.7	12.2	2.7	16545
JUN		64.7	5.2	5.0	3.4	2.2	2.5	2.2	2.4	2.0	1.7	6.0	1.3	17996
JUL		81.5	3.0	3.5	2.0	1.7	1.2	1.3	1.5	1.4	.6	1.4	.3	16598
AUG		77.5	3.8	4.3	2.4	2.0	1.5	1.0	1.7	1.0	1.1	2.2	1.0	15593
SEP		75.0	4.2	4.6	2.2	2.1	2.0	1.5	1.8	2.0	1.3	3.4	1.2	17992
OCT		60.5	4.5	5.4	3.3	2.7	2.9	2.4	2.7	3.1	2.1	10.0	2.3	16942
NOV		46.7	3.8	5.3	3.4	2.0	2.9	2.3	2.6	4.0	3.0	22.3	3.7	17988
DEC		37.4	2.3	4.3	2.3	2.1	2.6	1.8	2.2	5.7	2.2	37.2	3.0	16591
TOTALS		55.5	4.0	5.1	2.8	2.5	2.7	2.1	2.5	3.0	2.2	16.8	2.9	219055

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15-11

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DATE: 12-10-55
 FROM: SAC, NEW YORK
 TO: DIRECTOR, FBI
 SUBJECT: [REDACTED]

232

LOCLELLA, ST CALIF/SACKBINE, T.,

40-70

7. 2. 1992

STATION

SIA' ON NAME

2685

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS:

USAFETAC

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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4

DATA PROCESSING BRANCH
ETC/AF
AF WEATHER SERVICE /A.

SKY COVER

222
STATION

4000114 AF CALIF/SACRAMENTO
STATION NAME

90-7
PERIOD

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AF	00-02	62.1	5.7	4.5	2.4	5.3	1.0	2.0	2.0	3.0	1.3	12.3	2.4	2250
	03-05	56.1	4.4	5.0	3.1	2.7	2.0	2.3	3.2	4.0	1.0	13.2	2.0	2250
	06-08	44.3	4.0	5.5	3.4	2.3	3.9	2.9	4.0	0.0	3.4	18.7	2.7	2250
	09-11	41.6	4.5	5.9	2.9	2.9	4.4	2.3	4.0	5.5	4.3	20.5	4.0	2250
	12-14	37.7	5.1	5.0	2.6	3.3	5.5	3.5	5.1	0.4	5.1	23.1	4.2	2250
	15-17	37.1	5.2	6.2	3.9	3.0	4.7	3.2	4.4	5.0	4.7	21.4	4.2	2250
	18-20	40.7	5.9	8.1	4.0	4.5	4.0	3.2	4.0	4.9	2.3	18.3	3.6	2250
	21-23	56.7	5.1	4.5	4.0	3.5	2.4	2.0	3.2	4.7	1.5	11.3	2.6	2249
TOTALS		47.4	4.8	5.8	3.1	3.3	3.6	2.8	3.9	5.1	3.0	17.1	3.4	17999

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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1. *How do you think the world will change in the next 50 years?*

1000

44-7

4. 25

USAFETAC

DATA PROCESSING BR 100
 FIDELITY
 AIR WEATHER SERVICE / 100

SKY COVER

STATION: MCCLELLAN FLD - CALIF/SACRAMENTO, CA

40-1

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF HOURS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	10-01	85.2	2.0	2.1	1.2	1.3	1.1	.7	1.3	1.0	.3	1.4	.5	2243
	03-05	72.0	2.4	3.2	1.2	1.2	1.4	1.2	1.3	1.0	.5	3.2	1.2	2250
	10-07	59.7	5.3	5.5	1.9	2.4	2.2	1.7	2.3	2.3	2.0	4.7	1.5	2250
	09-11	71.9	4.7	4.7	2.4	2.2	2.6	1.7	1.9	1.7	2.2	3.5	1.4	2249
	12-14	70.2	5.0	5.2	2.4	2.2	2.5	2.0	2.5	2.2	1.5	4.3	1.5	2250
	15-17	67.5	5.0	6.5	3.0	2.8	2.7	1.9	2.0	2.4	2.1	3.6	1.5	2248
	18-20	70.3	5.0	6.5	3.3	2.6	2.0	1.5	2.1	2.0	1.6	2.6	1.3	2247
	21-22	82.8	2.8	3.2	2.0	1.7	1.2	1.2	1.2	1.7	.2	2.0	.8	2250
TOTALS		75.0	4.2	4.6	2.2	2.1	2.0	1.5	1.8	2.0	1.3	3.4	1.2	17992

SKY COVER

DATA FOR SKY COVER
STATION NAME
DATE OF OBSERVATION

STATION NO. 96-17 STATION NAME MOBILELLA CALIF/SACRAMENTO PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
00-01		74.4	3.1	3.3	2.4	1.6	1.6	1.6	2.0	1.1	1.1	1.0	1.0	2324
03-05		74.4	2.5	3.1	2.9	2.2	1.5	1.1	1.2	1.0	1.0	1.0	1.0	2323
06-08		54.7	4.2	5.0	3.4	2.7	3.1	2.8	3.3	3.0	2.7	13.0	2.8	2324
09-11		54.0	4.8	5.2	3.4	3.2	3.7	2.5	2.5	3.7	3.6	13.1	2.3	2324
12-14		50.9	5.9	5.5	3.7	2.9	3.9	3.3	3.6	4.0	3.2	13.3	3.0	2324
15-17		48.5	5.9	7.7	4.2	3.0	4.6	2.9	4.1	3.4	3.0	12.5	2.9	2325
18-20		57.3	5.6	7.9	4.3	3.7	2.8	2.6	2.8	2.8	1.8	5.3	2.2	2324
21-23		69.0	3.9	4.9	2.9	2.5	2.0	1.7	2.1	2.5	.9	6.0	1.6	2323
TOTALS		60.5	4.5	5.4	3.3	2.7	2.9	2.4	2.7	3.0	2.1	10.0	2.3	18592

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DATA PROCESSING BRANCH
 FT/DA AF
 AIR WEATHER SERVICE / A

SKY COVER

STATION
 45-71

MOORELLA AF CALIF/SACRAMENTO

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
01	00-02	57.0	3.0	4.4	2.7	1.5	1.5	1.7	2.4	3.0	1.0	1.0	3.0	2249
	03-05	58.2	2.3	3.4	2.9	1.7	1.9	1.7	1.0	3.0	1.9	2.7	3.1	2249
	06-08	40.4	3.0	0.5	3.0	3.1	2.8	2.3	3.9	5.3	4.0	25.4	4.2	2247
	09-11	38.4	4.0	4.0	3.5	3.1	3.0	2.4	2.9	0.0	4.5	26.3	4.4	2247
	12-14	38.0	4.9	4.9	4.3	4.0	3.7	2.7	3.2	5.3	3.9	25.0	4.3	2248
	15-17	36.4	4.4	7.0	3.9	3.2	3.8	3.0	3.5	0.0	4.4	23.0	4.3	2249
	18-20	48.1	3.7	5.7	3.6	3.1	3.1	2.7	3.2	4.8	2.4	19.7	3.5	2250
	21-23	55.6	3.7	5.0	2.0	2.0	2.4	1.8	2.5	4.2	1.2	18.2	3.0	2249
TOTALS		46.7	3.8	5.3	3.4	2.8	2.9	2.3	2.8	4.8	3.0	22.3	3.7	17988

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4

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING BRANCH
 USAF ETAC
 AIF WEATHER SERVICE/MAC
 23208 MCCLELLAN AFB CALIF/SACRAMENTO 39-72
 STATION STATION NAME YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75					.1	2.2	4.5	2.9	1.7				1.0
73					.7	7.6	19.4	15.3	3.7				4.3
65					5.6	24.5	52.1	48.7	23.1	4.3	.2	.2	14.1
63					25.4	66.7	93.2	92.1	73.8	26.3	4.6	1.2	32.9
55	1.4	1.5	1.3	5.9	25.4	66.7	93.2	92.1	73.8	26.3	4.6	1.2	32.9
53	7.0	12.5	18.4	30.8	72.5	95.4	99.9	99.7	95.4	66.0	21.9	7.3	31.0
45	22.3	39.7	43.1	69.8	94.3	99.7	100.0	100.0	98.2	68.6	47.6	22.6	68.0
43	41.4	55.3	76.5	92.4	99.5	100.0			100.0	97.1	72.8	48.1	82.3
35	66.9	87.1	94.3	99.5	100.0					99.7	93.5	76.9	92.1
33	76.1	92.8	97.3	100.0						99.9	96.3	85.3	95.6
31	88.1	98.1	99.2							100.0	98.6	94.8	98.3
25	98.7	100.0	100.0								100.0	99.0	99.8
20	100.0											99.8	100.0
15												100.0	100.0
MEAN	38.2	41.5	43.2	46.8	51.8	56.8	60.4	59.8	57.5	51.1	43.8	39.5	49.2
S.D.	7.359	6.266	5.261	4.946	4.633	5.038	4.670	4.409	5.014	5.321	5.411	6.655	9.567
TOTAL OBS	1023	933	1023	990	1022	990	1023	1023	989	1023	1012	1054	12105

DATA PROCESSING BRANCH

USAF ETAC

AIR WEATHER SERVICE/MAC

23203 MCCLELLA AFB CALIF/SACRAMENTO

39-72

STATION

STATION NAME

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						.9	1.5	.5	.2				.3
85					.2	4.1	9.4	7.0	7.7				2.0
80					2.1	14.7	33.0	26.4	14.3	.6			7.6
75				.2	8.9	37.3	70.8	61.7	37.3	3.0			17.9
70				5.2	25.7	67.4	93.5	89.9	68.7	17.3			30.3
65		.1	1.9	19.7	52.9	89.2	99.6	99.3	93.0	48.2	3.5		42.3
60	1.2	3.3	15.3	47.8	84.3	98.7	100.0	100.0	99.3	81.6	14.8	.7	54.0
55	7.2	26.8	44.1	77.3	97.1	99.9			100.0	95.2	44.7	8.4	66.2
50	26.6	59.4	80.4	94.6	99.8	100.0				99.5	78.9	32.3	80.8
45	57.3	88.3	97.7	99.9	100.0					100.0	95.6	62.8	91.7
40	87.6	98.7	99.9	100.0							99.9	91.4	93.0
35	98.0	100.0	100.0								100.0	99.1	99.8
30	100.0											99.6	100.0
25												100.0	100.0
20													
15													
10													
5													
0													
-5													
-10													
-15													
-20													
-25													
-30													
MEAN	45.8	50.5	54.0	59.2	65.5	72.1	77.4	78.2	72.7	64.2	53.9	46.6	61.3
S.D.	5.756	4.835	5.040	6.098	6.226	6.628	5.205	5.160	5.874	5.706	5.437	5.591	12.340
TOTAL OBS.	1023	933	1023	990	1022	990	1023	1023	989	1023	1012	1054	12105

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ATLAS OF CLIMATE
 1961-1990
 1000-1000-1000

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: 1000-1000-1000 STATION NAME: YEARS: 1000-1000

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	27.4	31.5	33.1	34.5	35.2	36.5	37.4	38.1	38.9	41.1	33.1	25.9	35.9
2	3.20	3.40	3.17	3.29	3.05	3.03	1.85	2.63	3.51	4.62	3.44	4.35	3.05
3	1023	933	1023	990	1022	990	1023	1023	989	1023	1012	1054	1210
MEAN	27.4	31.5	33.1	34.5	35.2	36.5	37.4	38.1	38.9	41.1	33.1	25.9	35.9
S.D.	3.20	3.40	3.17	3.29	3.05	3.03	1.85	2.63	3.51	4.62	3.44	4.35	3.05
TOTAL OBS.	1023	933	1023	990	1022	990	1023	1023	989	1023	1012	1054	1210

NOTES * (BASED ON < FULL MONTHS)
 & (AT LEAST ONE DAY < 24 OBS)

[illegible]

USAFETAL

PSYCHROMETRIC SUMMARY

23206	MCCLELLA, AFD CALIF/SACRAMENT	39-72
STATION	STATION NAME	

YEARS

ALL
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Page 2

411

HOURS 10:30-11:30

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Fig. 1

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JUL 64

PSYCHROMETRIC SUMMARY

23203	MUCIELLA AF. CALIF/SACRAMENTO	40-72
STATION	STATION NAME	

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NOTES 5.7

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PSYCHROMETRIC SUMMARY

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ALL
HOURS

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USAFETAC FORM JUL 64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

23208 MUCLELLA, IF, CALIF/SACRA. 17 60-76

YEARS

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DATA PROCESSING CENTER
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CHICAGO, ILL. 60647

YEARS

MOORE, S. J.

FORM 0-26.5 (OL A)
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USAFETAC

PSYCHROMETRIC SUMMARY

202LP MCLELLA FBI CALIF/SACRAMENTO 40-72

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

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PSYCHROMETRIC SUMMARY

YEARS

ALL
CONFIDENTIAL

USAFETAC 1040 0.26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

5.10

STATION

STATION NAME

YEARS

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ALL

HOURS 12, 3, 7.

FORM 0-26-5 (OL A)
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USAFETAC.

DATA PROCESSING BRANCH
USAF STAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2320P MCCLFLLA AFB CALIF/SACRAMENTO 40-72

STATION

STATION NAME

YEARS

SEP
MONTH

PAGE 1

ALL
HOURS 11.5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
112/111																			1		1														
110/109																					0														
108/107																		.1	16		16														
106/105																		.1	27		27														
104/103																	.0	.1	32		32														
102/101																	.0	.2	37		37														
100/ 99																	.1	.4	139		139														
98/ 97										.0		.0	.0	.1	.2	.3	.4	217		216															
96/ 95									.0		.0	.0	.0	.2	.4	.5	.3	330		330															
94/ 93									.0		.0	.0	.2	.4	.6	.5	.1	433		433															
92/ 91							.0			.0	.1	.4	.7	.7	.7	.3	.1	539		539															
90/ 89								.0		.0	.1	.4	.7	.8	.5	.1	.0	602		602															
88/ 87									.0	.1	.4	.6	1.0	.6	.5	.1		711		711															
86/ 85								.0	.0	.1	.3	.6	.9	.9	.4	.1	.0	782		782															
84/ 83							.0	.0	.2	.7	1.0	.9	.5	.2	.2			806		806															
82/ 81							.0	.1	.6	1.2	1.1	.9	.3	.1	.1	.0		904		904	1														
80/ 79							.0	.1	.4	1.3	1.4	.8	.3	.2	.1			1037		1037	3														
78/ 77					.0	.0	.2	1.0	1.5	1.1	.5	.2	.1	.0				1054		1054	1														
76/ 75				.0	.0	.1	.8	1.4	1.1	.7	.3	.1	.0					1040		1040	5	2													
74/ 73				.0	.1	.4	1.1	1.5	1.0	.4	.2	.1	.0	.0				1083		1083	5	2													
72/ 71			.0	.0	.2	.9	1.7	1.2	.6	.2	.1	.0	.0					1135		1135	112	2													
70/ 69		.0	.1	.2	.8	1.7	1.5	1.0	.3	.1	.0	.0						1315		1315	441	2													
68/ 67		.1	.2	.4	1.4	2.0	1.3	.6	.2	.1	.0	.0						1422		1423	983	2													
66/ 65	.0	.2	.4	1.1	1.9	1.6	.8	.4	.2	.0	.0							1486		1486	1824	29													
64/ 63	.0	.2	.6	1.8	2.0	1.2	.5	.2	.1	.0	.0							1494		1496	2546	99													
62/ 61	.0	.6	1.1	2.5	1.6	.7	.3	.1	.0	.0								1573		1575	2875	176													
60/ 59	.0	.6	2.4	2.0	.9	.4	.2	.0		.0								1503		1509	3144	511													
58/ 57	.1	.9	2.4	1.3	.5	.3	.1	.0	.0									1274		1294	3104	1189													
56/ 55	.0	1.1	1.7	.6	.3	.2	.1		.0									907		912	2977	2014													
54/ 53	.0	.7	.7	.2	.2	.1	.0											449		452	2125	5191													
52/ 51	.0	.2	.3	.1	.1	.0	.0											180		180	1292	3639													
50/ 49	.0	.1	.1	.1	.0	.0												82		82	630	3216													
48/ 47		.0	.0	.1	.0	.0												43		43	316	2486													
46/ 45		.0	.0	.0	.0													19		19	174	1902													
Element (X)	ΣX²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F ≤ 32 F ≤ 67 F ≤ 73 F ≤ 80 F ≤ 93 F											Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

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HOURS (L. 4)

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PSYCHROMETRIC SUMMARY

2396 MCCLELLA AFB CALIF/SACRAMENTO 50-72
STATION STATION NAME

Page 2

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PSYCHROMETRIC SUMMARY

50-72

YEARS

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
29/ 17																						74										
18/ 17																						43										
15/ 18																						21										
14/ 13																						21										
12/ 11																						11										
10/ 9																						3										
TOTAL	4.232	4.21	3.13	3.7	9.5	6.6	4.7	3.1	2.2	1.2	.6	.2	.1	.0					2356			23634										
																			23634													

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	131318243	1699735	71.9	19.585	23632	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	68775257	1259491	53.2	8.548	23660		2.7	48.1	14.4	1.6		720
Wet Bulb	55903060	1139432	48.2	6.404	23634		7.5	.0				720
Dew Point	45553365	1020633	43.2	7.907	23634		69.1					720

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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STATION

STATION NAME

YEARS

MONTH

0600-0800

HOURS (L. S. T.)

FORM 0-26.5 (Q1-A)

USAFETAC

PSYCHROMETRIC SUMMARY

40-72

443

HOURS 12. 5. 7. 1

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USAFETAC

PSYCHROMETRIC SUMMARY

40-72

1574

0900-1100
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

40-72

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PAGE 4 1200-1400
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

41-72

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PAGE 1 1500-2000
HOURS (L. S. T.)

USAFETAC
FORM
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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42-72

J.A.

USAFETAC FORM 0-26-5 (0-1-A) REPRODUCED BY THE NATIONAL ARCHIVES

PSYCHROMETRIC SUMMARY

PAGE 1 0000-0200

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PSYCHROMETRIC SUMMARY

23209 MCCLELLAN, AFB CALIF/SACRAMENTJ 41-72

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PAGE 1 0300-0500
#0385 (L. S. T.)

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23268 MCCLELLA, OFF CALIF/SACRAMENTO 40-72

PER MONTH
0983-1100
HOURS T. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																									TOTAL		TOTAL																		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB-WB	Dry Bulb	Wet Bulb	Dew Point																									
67/ 67				.0		.0												7		2																										
66/ 65			.1	.1	.1													11		11																										
64/ 63			.1	.3	.3	.1	.0	.0										24		75																										
62/ 61		.1	.4	.5	.4	.1	.0		.1									45		46				3																						
60/ 59		.3	1.1	1.2	.7	.3	.2	.1										157		107				10																						
58/ 57	.1	1.3	2.1	1.3	1.3	.4	.3	.1										192		112				15																						
56/ 55	.1	2.5	3.2	3.0	1.5	.6	.6	.1										214		227				34																						
54/ 53	.1	2.7	3.5	3.5	1.7	.9	.4	.1										350		359				100																						
52/ 51	.4	2.6	4.2	3.5	1.4	.7	.1											347		57				155																						
50/ 49	.4	3.2	4.1	3.2	1.1	.7	.1	.0										346		354				192																						
48/ 47	.5	3.1	3.6	2.5	1.0	.3	.1											297		295				251																						
46/ 45	.7	3.9	2.9	2.0	.7	.1												263		266				299																						
44/ 43	.7	1.9	2.2	1.0	.3	.0												185		155				280																						
42/ 41	1.2	1.6	1.0	.6	.1													164		122				333																						
40/ 39	.4	1.1	.5	.3	.1	.0												67		64				245																						
38/ 37	.1	.4	.1	.1	.0	.1												25		25				213																						
36/ 35	.1	.1	.2		.0													12		12				181																						
34/ 33		.1	.0		.1													7		7				117																						
32/ 31	.0																	1		1				95																						
30/ 29																								63																						
28/ 27																								40																						
26/ 25																								40																						
24/ 23																								24																						
22/ 21																								8																						
20/ 19																								5																						
18/ 17																								3																						
16/ 15																								2																						
14/ 13																								1																						
12/ 11																								2																						
10/ 9																								2																						
TOTAL	4.6	24.6	29.4	23.5	10.7	4.4	1.9	.4	.1									2692		2782				2698																						
																									2692		2698																			
Element (X)	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Z _g	Mean No. of Hours with Temperature																												
Rel. Hum.	15275645	198699	73.7	15.367	2697	20 F	32 F	47 F	73 F	80 F	92 F	Total																																		
Dry Bulb	7224469	140897	50.6	5.645	2782		.0	.1																	84																					
Wet Bulb	5877582	125108	46.4	5.317	2698		.6																		84																					
Dew Point	4877441	113013	41.9	7.297	2698		8.9																		24																					

PSYCHROMETRIC SUMMARY

40-74

518

STATION

STATION NAME

YEARS

MONITOR

Page 1

1500-1700

HOURS 11 - 5 - T - 1

0:26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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41-72

YEARS

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USAFETAC[®] 0-26-5 (OLA) FORM NIS 44

PSYCHROMETRIC SUMMARY

PAGE 2 0900-'100
HOURS (L. & T.)

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

PAGE 1 1801-2000
HOURS 11:51

USAFETAC FORM 0-26-5 (OLA)
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YEARS

44
MON:

PAGE 1 1500-2000
HOURS 11:51

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FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM
NO. 44

JS'AFETAC

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41-72

YEARS

MONTH

HOURS 12. 5. 1.

FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

41-72

YEARS

APR
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

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PAGE 1 0500-0000

46-72

STATION

STATION NAME

YEARS

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MONTE

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FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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40-72

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STATION

STATION NAME

YEARS

MAN:IN

Page : 0000-1100

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

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MAY 1964

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USAFETAC
FORM
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0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

Page 1 1290-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
94/ 93																		1	2																
92/ 91																		1	1																
90/ 89																		1	1																
88/ 87																		17	17																
86/ 85																		42	42																
84/ 83																		74	74																
82/ 81																		85	85																
80/ 79																		144	144																
78/ 77																		172	172																
76/ 75																		130	130																
74/ 73																		201	201	1															
72/ 71																		226	226	2															
70/ 69																		231	231	14															
68/ 67																		207	207	25	1														
66/ 65																		273	273	70	1														
64/ 63																		240	240	156	5														
62/ 61																		189	189	223	10														
60/ 59																		160	160	327	30														
58/ 57																		143	143	303	49														
56/ 55																		101	101	439	37														
54/ 53																		60	60	403	156														
52/ 51																		51	51	315	232														
50/ 49																		35	35	255	316														
48/ 47																		12	12	220	337														
46/ 45																		8	8	93	347														
44/ 43																		2	2	32	273														
42/ 41																				3	260														
40/ 39																				1	199														
38/ 37																					147														
36/ 35																					123														
34/ 33																					90														
32/ 31																					87														
30/ 29																					59														
28/ 27																					45														
Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	Z ₅	Z ₆	Z ₇	Z ₈	Z ₉	Z ₁₀	Z ₁₁	Z ₁₂	Z ₁₃	Z ₁₄	Z ₁₅	Z ₁₆	Z ₁₇	Mean No. of Hours with Temperature																	
Rel. Hum.																		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total											
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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STATION

STATION NAME

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USAFETAC
FORM 100-10
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

Page 1 1501-2000

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USAFETAC FORM 0.26-5 (OL A)
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PSYCHROMETRIC SUMMARY

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MOORE, J. S. T.

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PSYCHROMETRIC SUMMARY

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HOURS 11.5.7

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USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

40-74

YEARS

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1200-1400

40445 IL. S. I. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
34/ 33																																			
32/ 31																																			
30/ 29																																			
28/ 27																																			
26/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
18/ 17																																			
12/ 11																																			
TOTAL	1.0	1.4	2.0	3.5	6.1	11.0	14.5	14.6	12.4	10.3	8.2	5.5	4.1	3.7	1.1	.7	3058	3058	3058	3058															

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ALC

YEARS

23208 NUCLELLA AFB CALIF/SACRAMENTO 43-72

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PAGE 2 1500-1700
HOURS - S. T.

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USAFETAC
FORM
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0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS.

0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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49-72

STATION

STATION NAME

YEARS

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0300-0500

0-26-5 (U.L.A.) REVISED PREVIOUS EDITIONS OF THIS FOR. IS OBSOLETE

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USAFETAC
FORM JUL 64 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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0600-0600
HOURS 1-5-7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
TOTAL		2.6	16.6	25.1	21.1	12.4	8.4	5.2	3.7	2.2	1.2	.5	.1	.1					28.78	73.96	70.96	70.96															

Element (X)	E _x ²	Σ x	x̄	s _x	N _c of	Mean No. of Hours with Temperature											
						≤ 0 F.	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Rel. Hum.	11773753	180201	62.2	14.010	2898												
Dry Bulb	11899274	184634	63.7	6.854	2898			25.9	10.2	2.7							90
Wet Bulb	9075274	161776	55.8	3.915	2898			.5									90
Dew Point	7223662	144084	49.7	4.552	2898		.2										90

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0-28-5 (OL-A)
ALL PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAPFAC FORM 10-26-5 (10) A REWARD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

P. 10 : 1000-1100
 MONTH :
 HOURS : 10.00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	DB.	WB.	Dry Bulb	Wet Bulb	Dew Point																	
34/ 32																																							
32/ 31																																							
30/ 29																																							
28/ 27																																							
26/ 25																																							
TOTAL																																							

PSYCHROMETRIC SUMMARY

Page 1 1200-1400

USAFETAC
FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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40-72

YEARS

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P. 6. 1200-1400
NOV 1955

FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAF

PSYCHROMETRIC SUMMARY

43209 MOORELLA WFO CALIF/SACRAMENTO 40-72

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PAF : 1507-1700
NOV 1950

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FORM 0.26-5 (OL A; REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE)

USAFETAC

PSYCHROMETRIC SUMMARY

Part 2 1500-1700
HOURS S. T.

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

Page 1 1000-7000
NOV 1955

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PSYCHROMETRIC SUMMARY

Page 2 1001-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point										
44/ 31																							34									
38/ 27																							50									
35/ 25																							37									
34/ 23																							30									
32/ 21																							26									
30/ 25																							13									
28/ 27																							7									
26/ 25																							4									
24/ 23																							3									
20/ 19																							1									
TOTAL	.4	1.0	3.1	7.6	11.0	12.4	11.9	10.7	8.0	7.6	6.2	5.7	4.4	3.3	2.9	3.2							2873	2573								
																		2873					2273									

4

2326f

YEARS

PAC - 2100-2300

FORM
NS 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ISAFETAC

PSYCHROMETRIC SUMMARY

YEARS

2103-2510

0.26-- (01-A) REVISD MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AFW

PSYCHROMETRIC SUMMARY

23278 MCLELLAN AFB CALIF/SACRAMENTO 41-72

000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dep	Point													
86/ 85																		.3																	
84/ 83																		.3	.1																
82/ 81												.3						.1	.1	.1															
80/ 79												.1	.1	.2	.2																				
78/ 77											.1	.1	.5	.5	.4	.2																			
76/ 75										.1	.1	1.0	.3	.4	.3																				
74/ 73						.5	.6	1.3	1.3	1.1	.4																								
72/ 71				.1	.3	1.3	2.1	1.5	.7	.0																									
70/ 69			.5	.1	.4	3.3	3.2	1.1	.3																										
68/ 67			.5	.7	3.1	4.9	2.4	.3	.1																										
66/ 65	.1	.2	2.5	6.5	3.6	1.2	.4																												
64/ 63	.1	.7	4.9	4.9	2.7	.6																													
62/ 61	.1	2.2	6.1	3.2	1.1	.2																													
60/ 59	.3	4.7	3.4	1.4	.4																														
58/ 57	.9	4.2	.9	.2	.1																														
56/ 55	1.1	1.9	.2																																
54/ 53	.4	.3																																	
52/ 51	.0																																		
50/ 49																																			
48/ 47																																			
46/ 45																																			
44/ 43																																			
42/ 41																																			
40/ 39																																			
38/ 37																																			
TOTAL	3.2	14.2	10.9	20.5	18.3	11.8	0.2	4.6	1.6	.7	.1																								

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PSYCHROMETRIC SUMMARY

90-72

YEARS

JUL
24 1967
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PAGE 1

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MURKIN - 5-7-71

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REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

USAFETAC

4

— *Journal of the American Medical Association*

40-72

July

Page 1 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
90/ 89												.0		.0				2	2						
89/ 87										.0	.1	.1						7	7						
86/ 85										.1	.2	.1	.1					11	11						
84/ 83								.0	.2	.2	.2	.1						20	20						
82/ 81								.0	.4	.4	.2	.0						34	34						
80/ 79							.0	.3	.7	.7	.2	.0						59	59						
78/ 77						.0	.2	.7	1.0	.4	.2							77	77						
76/ 75						.1	.6	1.6	.9	.3	.1							112	112						
74/ 73					.1	.6	2.0	1.8	.8	.0								164	164						
72/ 71			.0	.4	1.9	2.6	1.3	.3		.0								198	198						
70/ 69			.0	.1	1.8	4.5	2.7	1.2	.2									327	320	3					
68/ 67			.7	4.2	3.5	1.7	.3											319	319	19					
66/ 65		.1	.2	3.3	6.1	3.0	1.1	.2										428	428	59	1				
64/ 63	.0	.8	6.5	4.5	1.4	.2												416	410	152	5				
62/ 61		2.5	6.4	2.4	.9	.1												377	377	350	7				
60/ 59		.2	4.0	4.0	1.2	.3												296	296	665	27				
58/ 57		.6	2.6	1.1	.3	.1												145	145	762	145				
56/ 55		.6	1.1	.2	.1													60	60	619	456				
54/ 53		.0	.2	.0														7	7	287	719				
52/ 51																				105	684				
50/ 49																				22	466				
48/ 47																				3	267				
46/ 45																					143				
44/ 43																					70				
42/ 41																					40				
40/ 39																					14				
38/ 37																					1				
36/ 33																					1				
TOTAL	.0	1.4	11.4	22.4	21.1	6.3	11.5	7.5	4.5	2.2	1.0	.4	.1	.0				3046	3046	3046	3046				
																		3046		3046					
Element (X)	Σx'	Σx	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature																			
Ref Hum.	11691024	184494	60.6	12.978	3045	≤ 0 F	≤ 32 F	≤ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	13539235	202227	66.4	6.097	3046			40.4	14.8	3.2		93													
Wet Bulb	10230580	176258	57.9	3.208	3046			.7				93													

AFETAC
FORM
NO. 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22200 MOCLFLA AFB CALIF/SACRAMENTO 60-72

JUL
MONTH

PAGE 1 0900-1100
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.		TOTAL Dry Bulb Wet Bulb Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																		
104/103																																			
102/101																																			
100/99																																			
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42/41																																			
40/39																																			
38/37																																			
Element (X)	Σx²					Σx					X					°x					No. Obs.					Mean No. of Hours with Temperature						Total			
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23209

HCCLELLA: AFE CALIF/SACRAMENTOJ

40-72

444

STATION

STATION NAME

YEARS

MCHIN

PAGE 2

6900-1100

HOURS IL, S, T, F

[illegible]

PSYCHROMETRIC SUMMARY

23258

MOCCLELLAN AFB CALIF/SACRAMENTO

40-72

jul

STATION

STATION NAME

YEARS

4257

PAGE 1

1200-1400

HOURS (L. S. T.)

[illegible]

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40-72

44

STATION

STATICH NAME

YEARS

4241

PAGE 4

1200-1400

HOJMS 11. 5. 7. 3

USAFETAC
FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

23208 MOCLELLA IF CALIF/SACRA.ENT.
STATION STATION NAME

.. 7-75

YEARS

191

2. : 1 150-17-0
 2-45

[illegible]

4

DATA PROCESSING BRANCH
USAF ETAC
AF WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

23000 MCLELLAN AFB CALIF/SACRAMENTO 1-5-76
STATION

YEARS

MONTH

PERIOD 1-5-76
HOURS 5

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dew Bulb	Wet Bulb	Dew Point													
44/ 47																																	2.3		
44/ 45																																	2.3		
44/ 43																																	2.2		
42/ 41																																	2.3		
40/ 39																																	1.9		
36/ 37																																	1.0		
36/ 35																																	1.1		
34/ 33																																	1.7		
32/ 31																																	1.5		
30/ 29																																	1.9		
28/ 27																																	1.1		
26/ 25																																	1.2		
24/ 23																																	1.4		
22/ 21																																	1.2		
20/ 19																																	1.1		
18/ 17																																	1.1		
TOTAL		.3	.1	.3	.3	.2	.7	.3	1.6	4.4	7.9	10.3	12.5	13.8	13.5	12.8	11.4																3047	3047	

USAFETAC FORM 0-26-5 (OL A) REVID PREVIOUS EDITIONS OF THIS FORM ARE CANCELLED

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2054014	74932	24.6	6.318	3047	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	26412747	252901	92.8	6.937	3047			92.9	92.5	89.5	51.7	93
Wet Bulb	13632832	203580	66.8	3.190	3047			50.7	3.1			93
Dew Point	7722263	152175	49.9	6.335	3047		.9					93

PSYCHROMETRIC SUMMARY

STATION COLLEGE OF CALIF/SACKS - ST. 40-72

YFARS

100

1970 - 1971

[illegible]

4.

22704 MOBILELA 45 CALIF/SACRAMENTO 4-7-76

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S.A. 30

67485

9. 1500-2000

0.26.5 (OLA)

JSAFETAC

PSYCHROMETRIC SUMMARY

9C-72

Aug

Part 1

0300-0500
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5

USAFETAC

PSYCHROMETRIC SUMMARY

23208

MCCLELLAN AFB CALIF/SACRAMENTO

40-72



STATION

STATION NAME

YEARS

MONTH

PAGE 1

1600-0800
HOURS (L. S. T.)

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90-72

YEARS

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40-72

STATION NAME

YEARS

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1500-1700

HOUS (1 - S - T)

USAFETAC (FORM 3-26.5 (OL-A)) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4.00

Page 1 1800-2000
HOURS U. S. T.**USAFETAC**

4

YEARS

43

HOURS 12, 3, 7.

JSAFETAC FORM 0.26:5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

23206 MCCLELLAN AFB CALIF/SACRAMENTO 41-72

45

Page 1 2100-2500
HOURS: 11:30 A.M. - 5:00 P.M.

[illegible]

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91-72

54 EN

STATION NAME

YEARS

2000

P 2 000-1470

USAFETAC FORM 0-26-5 (OLA)
REV. 4-4-61
STANDARD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

40-72

2. 0

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0-26-5 (3-10) AT WOULD REPRODUCED EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

40-72

YEARS

SEP
MONTH

PAGE 1

3600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

40-72

YEARS

5th P
MONTANA

1997

0600-0600
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.6	9.9	21.4	21.9	14.8	12.3	7.9	5.8	3.3	1.4	.7	.1	.1						2071		266	
																		804		865		

PSYCHROMETRIC SUMMARY

40-72

PAGE 1

[illegible]

USAFETAC FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(4)

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40-72

500

PAGE 2 0900-1100
MOLRS (L-5, T-1)

USAFETAC 0.26" (OLA) REPRODUCED FROM THE ORIGINAL

DATA PROCESSING BRANCH
USAF ATAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23206 McClellan AFB CALIF/SACRAMENTO 40-72 SLP
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOUR T. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14-15	16	17-18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point									
110/109																									.1	2	2										
109/107																									.2	4	6										
106/105																									.2	7	7										
104/103																								.0	.4	13	13										
102/101																								.0	.9	25	28										
100/ 99																							.0	.4	.7	30	39										
98/ 97														.0				.1	.5	1.0	1.1				1.1	75	79										
96/ 95													.0			.2	.7	1.1	1.2	.0					.0	110	110										
94/ 93												.0	.2	.6	1.4	1.9	1.5	.3							.3	172	172										
92/ 91							.0					.1	.5	1.3	2.1	2.1	.8	.1							.1	203	203										
90/ 89											.1	.3	1.3	2.1	2.2	1.1	.2	.0							.0	213	213										
88/ 87									.0	.3	1.4	2.0	2.5	1.8	.7	.0										251	251										
86/ 85									.2	.7	2.0	2.5	1.8	.9	.3	.0										263	263										
84/ 83							.0	.6	2.3	2.7	1.8	1.0	.7	.1												268	268										
82/ 81							.0	.5	1.4	3.0	2.3	.9	.5	.2												252	252										
80/ 79							.2	.8	3.4	2.5	1.3	.5	.5	.1												271	271		1								
78/ 77						.1	.4	2.0	2.9	1.4	.7	.3	.2	.0												232	232										
76/ 75						.1	1.0	1.9	1.4	.6	.1	.1	.1													152	152		2								
74/ 73					.0	.1	1.3	1.2	.9	.3	.1	.3	.0													120	120		2								
72/ 71					.0	.2	.7	.9	.3	.1	.0	.1														71	71		50								
70/ 69		.0	.0	.2	.2	.3	.5	.4	.1	.0	.0															54	54		158								
68/ 67		.1	.2	.1	.1	.2	.3	.1	.1																	39	40		360								
66/ 65		.1	.1	.0	.1		.1		.0																	14	14		609								
64/ 63	.0	.1	.0	.1	.0	.1		.0																		10	10		683								
62/ 61					.1																					3	3		499								
60/ 59			.0																							1	1		242								
58/ 57				.0																						1	1		164								
56/ 55																												62	283								
54/ 53																												21	364								
52/ 51																												17	394								
50/ 49																												4	375								
48/ 47																													317								
46/ 45																													264								
44/ 43																													189								
Element (X)	Σ X ²					Σ X					X					Σ X					No. Obs.					Mean No. of Hours with Temperature						Total					
Rel. Hum.																										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F						
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 10-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

YEARS

MCCELLELLA AFB CALIF/SACRAMENTO
STATION NAME

40-72

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Page 2

1200-1400
HOURS 11-5-7-1

USAFETAC FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH
USAF ETAC
AFC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23268 MCCLELLAN AFB CALIF/SACRAMENTO

40-72

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700

HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
112/111																		.6	1	1															
110/100																		.1	4	4															
108/107																		.3	10	10															
106/105																		.7	20	20															
104/103																		.6	18	18															
102/101																.0	1.7	4	49																
100/ 99															.2	.6	2.1	82	82																
98/ 97									.1				.0	.3	.6	1.2	1.9	123	123																
96/ 95								.0					.2	.8	1.5	2.6	1.1	180	180																
94/ 93												.0	.9	1.4	1.7	2.5	.7	213	213																
92/ 91											.1	.3	1.0	2.2	2.4	1.4	.3	238	238																
90/ 89										.1	.3	1.1	1.0	2.5	1.8	.6		232	232																
88/ 87										.3	.6	1.5	2.9	1.8	1.4	.3		254	254																
86/ 85								.1	.6	2.0	2.1	2.4	.9	.3	.1			244	244																
84/ 83								.1	.2	1.4	2.3	1.9	1.2	.5	.2			224	224																
82/ 81							.0	.3	1.4	2.2	1.8	1.3	.7	.3	.1			231	231		1														
80/ 79							.2	.5	1.6	2.3	1.3	.3	.5	.3				201	201		2														
78/ 77						.0	.1	1.3	1.8	2.0	.6	.3	.1	.1				184	184																
76/ 75						.1	.5	1.3	1.0	.6	.2	.1	.2					116	116			1													
74/ 73					.1	.2	.6	1.1	.5	.4	.1	.0	.1	.0				90	90		3	2													
72/ 71			.0	.0	.0	.3	.6	.5	.5	.1		.1	.0					62	62		52														
70/ 69		.0	.1	.2	.1	.2	.4	.5	.0	.1								49	49		211														
68/ 67		.0	.1	.1	.1	.1	.2	.1	.1	.0								25	25		371														
66/ 65		.1	.1	.0		.0	.1	.1	.1	.0								10	10		595	6													
64/ 63					.1	.1	.0											5	5		634	9													
62/ 61		.0	.0	.1														5	5		470	32													
60/ 59			.0	.1														3	3		284	70													
58/ 57																				131	107														
56/ 55																					71	214													
54/ 53																					29	297													
52/ 51																					15	328													
50/ 49																					3	328													
48/ 47																					1	357													
46/ 45																						301													
Element (X)	Σx ²		Σx		Σ		Σx ²		No. Obs.		Mean No. of Hours with Temperature										Total														
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

4

PSYCHROMETRIC SUMMARY

40-72

230

STATION

STATION NAME

YEARS

MONTE

PAGE 2

1300-1700

HOURS 11-5-7-1

USAFETAC FORM 0-26-5 (OL-A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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41-72

SEP

PAGE 2 2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Page 1 1305-0500

23206
STATE

HCCLELLAN AFB CALIF/SACRAMENT.

40-78

YEARS

327

4291

Page 1 1305-0500

USAFETAC (FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE)

PSYCHROMETRIC SUMMARY

40-72

YEARS

12 MONTHS

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
78/ 75										.0		.0						2	2													
74/ 73							.0	.0	.1									4	4													
72/ 71						.1	.1	.1	.1	.0	.0							5	5													
70/ 69					.0	.0	.3	.3	.1	.0								21	21													
68/ 67				.0	.0	.3	.4	.3	.1	.0								37	37													
66/ 65			.2	.4	.2	.3	.3	.3	.1									56	56													
64/ 63		.1	.4	1.0	1.1	.6	.5	.2	.1									117	117													
62/ 61		.3	.8	.9	1.4	.8	.4	.1										149	149	19	4											
60/ 59	.1	1.7	2.6	2.4	1.7	1.1	.6	.1										314	314	64	16											
58/ 57	.4	2.5	4.4	2.3	1.5	.9	.4	.1	.0									379	380	184	75											
56/ 55		4.2	4.7	3.0	1.1	.9	.4	.1										454	457	337	128											
54/ 53		4.6	4.4	2.1	1.5	.9	.3	.1										439	441	437	231											
52/ 51		4.0	3.1	1.4	.9	.5	.2											323	324	481	331											
50/ 49	.3	2.9	2.7	1.7	.8	.4	.0											267	267	441	396											
48/ 47	.3	2.0	1.4	.9	.6	.3	.0											169	169	336	369											
46/ 45	.2	1.3	1.0	.6	.3	.0	.0											112	112	267	339											
44/ 43	.2	1.0	.4	.3	.2	.1												79	79	185	286											
42/ 41	.1	.4	.4	.3	.0													36	36	119	175											
40/ 39		.2	.1	.2		.0												17	17	76	171											
38/ 37		.2	.2	.1	.0													18	18	50	137											
36/ 35		.2	.1															16	16	28	80											
34/ 33		.0		.0	.0													3	3	20	77											
32/ 31																				6	81											
30/ 29																				1	67											
28/ 27																				2	32											
26/ 25																					24											
24/ 23																					14											
22/ 21																					8											
20/ 19																					5											
18/ 17																					3											
16/ 15																					8											
TOTAL	3.0	25.9	27.0	19.2	11.4	7.4	3.0	1.6	.5	.1	.0	.0							3057	3064	3057											

Element (X)	Σx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature							
Rel. Hum.	011628	222448	72.8	16.429	3057	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	9230417	167173	54.6	5.976	3064			2.2	.2			93
Wet Bulb	7691889	152443	49.9	5.428	3057			.3				93
Dew Point	6444056	138420	45.3	7.598	3057		7.4					93

PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100
HOURS (L. S. T.)

0-26-5 (OLA)

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PSYCHROMETRIC SUMMARY

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MONTH

1500-1700
HOURS (L. S. T.)

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USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS THE THIS FORM ARE OBSOLETE

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USAFETAC

PSYCHROMETRIC SUMMARY

Page 1800-2000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point													
22/ 21																							13											
20/ 19																							10											
18/ 17																							9											
16/ 15																							5											
TOTAL	.3	5.0	8.2	11.8	13.1	14.0	12.9	12.1	9.6	5.9	4.3	1.7	.0	.2	.1								3021	3025	3021									

PSYCHROMETRIC SUMMARY

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PAGE 2 2100-2300
MOORE & S. T.

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC

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YEAR

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USAFETAC
FORM
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0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

30-72

12

STATION

STATION NAME

YEARS

MONTY

Page 1

7900-1100

HOURS: 11 - 5 - 9 - 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
76/ 75										.0		.0						7	2													
74/ 73							.1	.1	.1	.1	.1	.1						12	13													
72/ 71					.1	.1	.2	.2	.1	.1								23	23													
70/ 69					.0	.2	.3	.2	.1	.1	.0							26	26													
68/ 67			.0	.2	.2	.7	.3	.3	.3	.1								34	64													
66/ 65	.0	.1	.1	.4	.0	.5	.5	.5	.3	.1								37	93	1												
64/ 63		.1	.3	1.0	1.0	.4	.3	.3	.3	.1								136	130	7	3											
62/ 61	.0	.4	.7	1.5	1.2	.9	.6	.4	.1									172	172	23	8											
60/ 59	.0	.9	1.8	2.2	2.1	.9	1.1	.4	.2									290	290	64	11											
58/ 57	.2	1.8	2.4	2.4	2.1	1.0	1.0	.4	.2									348	348	168	42											
56/ 55	.1	2.7	3.5	3.2	1.4	1.4	.0	.3										399	399	234	68											
54/ 53	.2	2.4	3.2	2.2	1.5	1.1	.3	.1										336	376	350	191											
52/ 51	.3	2.7	3.6	1.8	1.0	.5	.3											309	309	383	261											
50/ 49	.2	2.8	3.4	2.0	1.0	.3	.1											295	295	429	259											
48/ 47	.3	2.2	1.9	1.2	.3	.2	.1											190	192	410	305											
46/ 45	.3	2.3	1.2	.8	.2	.0												145	145	357	336											
44/ 43	.1	1.9	1.0	.3	.2													106	106	261	321											
42/ 41	.3	.6	.5	.0	.1	.0												51	51	179	297											
40/ 39	.6	.3	.3	.1														19	19	85	187											
38/ 37	.0	.2	.0	.0														10	10	39	201											
36/ 35		.0	.0															2	2	13	159											
34/ 33		.0																1	1	5	134											
32/ 31																				3	71											
30/ 29																					57											
28/ 27																					27											
26/ 25																					25											
24/ 23																					12											
22/ 21																					14											
20/ 19																					13											
18/ 17																					8											
14/ 13																					4											
TOTAL	2.1	21.6	24.1	19.4	13.0	8.3	5.5	3.7	1.6	.5	.1	.1							3024		3024											
																			3024		3024											
Element (X)	Z _x ¹		Z _x		X		s _x		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.	15335667		208407		68.9		17.938		3024		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb	9180518		165482		54.7		6.577		3026				3.8	.4			90															
Wet Bulb	7402479		148745		49.2		5.333		3024				.1				90															
Dew Point	5944613		132079		43.7		7.626		3024				6.9				60															

PSYCHROMETRIC SUMMARY

YEARS!

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1200-1400

HOURS (L, S, T.)

USAFETAC FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

434

PAGE 2 1500-1700
HOURS (L. S. T.)

USAFETAC

4

YEARS

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STATION NAME

PAGE: 1 1007-2000
MOJRS 1-5-7

0-26-5 (Q1 A) REVERSE THE NOISE EDITIONS OF THIS FORM ARE CASSETTE

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PSYCHROMETRIC SUMMARY

41-72

YEARS

MONY

PAGE 1

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USAFETAC FORM 0-26.5 (Q1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

20203 MCLELLA, AF: CALIF/SACRAMENTO
STATION STATION NAME

10-74

YEARS

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Page 1 3602-0010

NO. 35

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PSYCHROMETRIC SUMMARY

42-74

YEARS

121
MAY 19

Page 1 0900-1100
HOURS 11.3.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/ 65			.1	.0	.0	.1												7	7																
64/ 63		.0	.1	.1	.0			.0										7	7																
62/ 61		.1	.1	.2	.0	.0		.0	.0	.0								17	17	5															
60/ 59	.1	.3	.7	.1	.2	.2	.2		.0	.0		.0						54	58	3	8														
58/ 57		.9	.5	.5	.3	.3	.1		.0	.0								95	99	31	0														
56/ 55	.1	1.4	1.8	1.1	.6	.2	.1		.0									107	171	67	30														
54/ 53	.2	2.0	2.3	1.3	.6	.2	.1	.0										193	277	90	71														
52/ 51	.3	2.6	2.9	1.5	.9	.3	.1	.0										260	270	164	96														
50/ 49	.6	4.2	3.4	1.8	.4	.3		.0										337	330	253	144														
48/ 47	.7	4.8	3.0	1.8	.6	.1	.1	.0										336	342	329	195														
46/ 45	1.1	5.0	3.5	1.1	.5	.1	.0											357	354	364	273														
44/ 43	1.3	5.2	3.0	.9	.2	.1												328	330	376	314														
42/ 41	2.1	5.5	2.3	.6	.1	.1												330	333	410	380														
40/ 39	1.7	4.1	2.0	.3	.2													257	258	350	379														
38/ 37	1.2	3.0	.8	.2	.1													156	157	267	323														
36/ 35	.6	2.0	.0															97	98	189	281														
34/ 33	.3	.9	.3															46	46	33	199														
32/ 31	.1	.4	.1															17	18	55	127														
30/ 29	.2	.4																16	18	25	88														
28/ 27	.0	.0	.0															3	0	10	50														
26/ 25		.1	.0															3	4	3	36														
24/ 23			.0															1	1	2	26														
22/ 21	.0																	1	1	2	20														
20/ 19																					10														
18/ 17																					8														
16/ 15																					6														
14/ 13																					5														
12/ 11																					1														
10/ 9																					2														
8/ 7																					2														
4/ 3																					1														
TOTAL	10.6	43.1	27.1	11.3	4.8	2.0	.6	.2	.1	.1	.0								3154		3083														
																		3053		3083															
Element (X)	Σx'		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	20632496		248180		80.614.428		3081				≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb	6903907		146109		46.3		0.553		3154				1.4										93												
Wet Bulb	5923852		133696		43.4		5.939		3083				3.0										93												
Dew Point	5133615		123826		40.2		7.211		3053				1.1										93												

0-26-5 (DLA)

JSAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

23256	MCCLELLA	WFO CALIF/SACRAMENTO	39-72
STATION	STATION NAME		

YEARS

PAGE 1 1200-1400

[illegible]

FORM 0-26.5 (QLA)

USAFETAC

PSYCHROMETRIC SUMMARY

Page 2 1200-1400
FOURS 4.5.5

[illegible]

FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	16278285	217033	70.218	3.001	3090	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total
Dry Bulb	8539864	162802	51.6	6.578	3154		.3	1.0	.1			93
Wet Bulb	6792756	143982	46.6	5.207	3090		.5					93
Dew Point	5413110	127246	41.2	7.486	2090		9.7					93

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10-72

YEARS

55

FORM 0.26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

11C
MONTE

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

PAGE 1 1800-2000
HOURS 11, 5, 7

[illegible]

0-26-5 (QLA)

USAFÉTAC

PSYCHROMETRIC SUMMARY

200-2300
MONTH
HOURS



USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23208 MCCLELLAN AFB CALIF/SACRAMENTO 39-72

STATION

STATION NAME

YEARS

HRS 'LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	42.0	45.8	47.9	51.3	55.8	60.9	65.3	64.2	63.0	56.6	48.9	43.5	53.9
	S D	6.788	5.867	5.099	5.434	5.378	6.205	5.581	5.354	5.786	5.907	6.034	6.440	9.912
	TOTAL OBS	2865	2675	2967	2865	2964	2813	2962	2970	2786	2973	2874	2962	34678
03-05	MEAN	40.7	44.1	45.7	48.8	53.3	58.2	61.9	61.5	59.9	53.8	46.9	42.3	51.5
	S D	7.265	6.294	5.392	5.189	4.902	5.345	4.925	4.701	5.328	5.355	6.393	6.993	9.338
	TOTAL OBS	2926	2688	2960	2864	2958	2871	3019	3032	2848	3026	2931	3027	35150
06-08	MEAN	40.3	43.7	46.5	51.7	58.1	63.7	66.4	64.7	61.9	54.6	46.4	41.8	53.3
	S D	7.619	6.528	5.716	5.856	6.228	6.854	6.097	5.613	6.216	5.976	6.626	7.253	11.177
	TOTAL OBS	3022	2755	3030	2922	3023	2898	3046	3067	2671	3064	3005	3126	35829
09-11	MEAN	45.0	50.6	55.5	61.5	68.4	74.9	79.1	77.4	74.8	66.3	54.7	45.3	62.8
	S D	6.730	5.645	5.876	7.073	7.754	8.330	7.207	7.033	7.584	7.095	6.577	6.553	13.735
	TOTAL OBS	3047	2782	3058	2953	3051	2898	3039	3055	2662	3060	3026	3154	35985
12-14	MEAN	50.8	56.8	61.7	68.0	75.6	83.4	89.7	87.9	84.3	74.4	61.6	51.6	70.4
	S D	6.210	5.738	6.953	8.674	8.955	9.044	6.857	7.051	7.971	7.988	7.065	6.578	15.400
	TOTAL OBS	3042	2781	3059	2949	3058	2902	3054	3056	2875	3056	3026	3154	36012
15-17	MEAN	51.3	57.7	62.8	69.3	77.2	85.6	92.8	90.9	86.2	74.7	61.0	51.4	71.8
	S D	6.143	5.978	7.623	9.631	9.704	9.637	6.937	7.420	8.415	8.638	7.257	6.349	16.455
	TOTAL OBS	3016	2745	3024	2919	3024	2907	3047	3051	2873	3057	2992	3106	35761
18-20	MEAN	46.7	52.1	56.4	62.3	69.1	77.2	83.2	80.9	76.0	65.9	54.8	47.1	64.4
	S D	5.820	5.373	6.522	8.590	9.256	10.271	8.807	8.786	8.367	7.085	6.058	5.856	14.711
	TOTAL OBS	2921	2687	2963	2861	2959	2873	3024	3034	2845	3025	2934	3016	35142
21-23	MEAN	43.9	48.3	51.1	55.2	60.1	66.1	70.7	69.6	67.2	59.8	51.1	44.7	57.4
	S D	6.289	5.348	5.319	6.270	6.489	7.623	6.422	6.374	6.618	5.803	5.716	6.036	11.128
	TOTAL OBS	2859	2674	2962	2865	2960	2814	2965	2969	2791	2972	2872	2953	34656
ALL HOURS	MEAN	45.1	49.9	53.5	58.6	64.8	71.3	76.2	74.8	71.7	63.3	53.2	46.1	60.7
	S D	7.755	7.759	8.768	10.362	11.396	12.674	12.878	12.434	11.917	10.382	8.548	7.447	14.943
	TOTAL OBS	23698	21787	24023	23198	23999	22976	24156	24234	22751	24233	23660	24498	283213

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23208 MCCLELLAN AFB CALIF/SACRAMENTO 30-72

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	40.4	43.5	44.8	47.6	51.0	54.5	57.2	57.1	55.6	51.2	46.0	41.7	49.3											
	S D	6.722	5.943	5.069	4.980	4.130	3.859	3.213	2.844	3.796	5.116	6.030	6.316	7.619											
	TOTAL OBS	2850	2402	2913	2865	2966	2813	2962	2970	2779	2966	2870	2922	34508											
03-05	MEAN	39.3	42.1	43.1	45.8	49.5	52.1	55.6	55.5	54.0	49.5	44.5	40.6	47.8											
	S D	7.168	6.317	5.370	4.989	4.114	3.667	2.806	2.675	3.996	5.325	6.420	6.767	7.664											
	TOTAL OBS	2852	2599	2967	2865	2955	2871	3019	3032	2840	3013	2923	2979	34855											
06-08	MEAN	38.7	41.6	43.5	47.5	52.1	55.8	57.9	57.2	55.0	49.9	44.0	40.1	48.7											
	S D	7.495	6.531	5.451	4.976	4.239	3.915	3.208	2.963	4.202	5.420	6.572	6.993	8.542											
	TOTAL OBS	2917	2663	2975	2922	3023	2898	3046	3065	2865	3057	2998	3058	35487											
09-11	MEAN	42.2	46.4	48.9	52.6	56.7	60.6	63.3	62.6	60.5	55.8	49.2	43.4	53.6											
	S D	6.473	5.317	4.687	4.887	4.507	4.166	3.212	3.021	3.679	4.575	5.333	5.939	8.563											
	TOTAL OBS	2941	2698	3004	2953	3051	2898	3040	3051	2861	3060	3024	3083	35664											
12-14	MEAN	45.8	49.8	51.8	55.2	59.3	63.4	66.7	66.1	63.6	58.7	52.5	46.6	56.7											
	S D	5.585	4.875	4.854	5.300	4.825	4.402	3.144	3.081	3.656	4.496	4.670	5.207	8.436											
	TOTAL OBS	2945	2697	3005	2949	3058	2902	3054	3055	2874	3056	3025	3090	35710											
15-17	MEAN	46.3	50.3	52.1	55.5	59.5	63.5	66.8	66.1	63.7	58.6	52.3	46.6	56.8											
	S D	5.524	4.937	5.032	5.446	4.934	4.475	3.190	3.234	3.778	4.633	4.843	5.177	8.429											
	TOTAL OBS	2923	2661	2973	2919	3024	2907	3047	3050	2873	3057	2992	3044	35470											
18-20	MEAN	43.7	47.6	49.6	53.1	57.0	61.1	64.2	63.2	60.6	55.5	49.5	44.2	54.2											
	S D	5.862	5.212	5.039	5.526	4.931	4.728	3.604	3.527	4.102	4.789	5.259	5.531	8.495											
	TOTAL OBS	2854	2608	2912	2861	2959	2873	3024	3033	2845	3021	2934	2972	34896											
21-23	MEAN	41.9	45.2	46.9	50.0	53.4	57.0	59.7	59.4	57.5	52.8	47.4	42.5	51.2											
	S D	6.321	5.500	4.901	5.178	4.435	4.325	3.379	3.197	3.972	4.951	5.562	5.925	7.849											
	TOTAL OBS	2851	2608	2911	2865	2959	2814	2965	2969	2787	2965	2868	2942	34510											
ALL HOURS	MEAN	42.3	45.8	47.6	50.9	54.8	58.6	61.5	60.9	58.8	54.0	48.2	43.2	52.3											
	S D	6.951	6.409	6.054	6.216	5.771	5.656	5.233	4.955	5.306	6.024	6.404	6.446	8.866											
	TOTAL OBS	23133	21136	23600	23199	23995	22976	24157	24225	22724	24195	23634	24126	281100											

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23208 MCCLELLAN AFB CALIF/SACRAMENTO 39-72

STATION

STATION NAME

YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	36.3	40.9	41.4	44.0	46.7	49.3	51.1	51.4	49.6	46.0	42.8	39.5	45.1
	S D	7.801	7.258	6.454	6.115	5.080	4.441	3.843	3.821	5.738	7.859	7.729	7.443	7.675
	TOTAL OBS	2850	2602	2943	2865	2966	2813	2962	2970	2780	2966	2869	2951	34507
03-05	MEAN	37.4	39.8	40.3	42.8	46.0	48.8	50.6	50.9	48.9	45.2	41.9	38.6	44.3
	S D	8.124	7.432	6.508	6.002	4.998	4.427	3.794	3.811	5.905	7.509	7.787	7.668	7.830
	TOTAL OBS	2851	2599	2906	2804	2955	2871	3019	3032	2839	3013	2923	2979	34851
06-08	MEAN	36.9	39.4	40.3	43.4	46.9	49.7	51.7	51.7	49.2	45.3	41.3	38.2	44.6
	S D	8.373	7.610	6.528	5.985	4.964	4.552	3.629	3.729	5.916	7.598	7.807	7.811	8.184
	TOTAL OBS	2917	2663	2975	2922	3023	2898	3046	3065	2864	3057	2998	3058	35486
09-11	MEAN	39.0	41.9	42.4	44.7	47.4	50.4	53.1	52.8	50.1	46.8	43.7	40.2	46.1
	S D	7.917	7.297	6.854	6.776	6.034	5.359	3.888	3.945	6.103	7.976	7.626	7.211	8.014
	TOTAL OBS	2941	2698	3004	2953	3051	2898	3040	3050	2861	3060	3024	3083	35603
12-14	MEAN	40.3	42.8	42.3	44.0	46.5	49.6	52.5	52.3	49.2	46.2	44.0	41.2	45.9
	S D	8.079	7.780	7.794	7.878	7.288	6.508	5.072	4.922	6.639	8.591	8.002	7.486	8.287
	TOTAL OBS	2945	2627	3005	2949	3058	2902	3054	3055	2874	3055	3026	3090	35710
15-17	MEAN	40.8	42.9	41.8	43.4	45.5	47.9	49.9	49.7	47.7	45.5	44.0	41.4	45.1
	S D	7.981	7.871	8.116	8.193	7.999	7.375	6.335	6.066	7.046	8.767	8.191	7.517	8.249
	TOTAL OBS	2923	2661	2973	2919	3024	2907	3047	3050	2873	3057	2992	3045	35471
18-20	MEAN	40.4	43.1	42.9	44.9	47.4	49.6	51.8	51.3	49.4	46.5	44.2	40.8	46.1
	S D	7.606	7.150	7.012	7.447	6.792	6.513	5.389	5.306	6.577	8.216	7.926	7.300	7.938
	TOTAL OBS	2856	2608	2912	2861	2959	2873	3024	3033	2845	3021	2934	2972	34896
21-23	MEAN	39.4	42.0	42.5	45.2	47.8	50.1	52.1	52.2	50.1	46.5	43.5	40.0	46.0
	S D	7.634	7.117	6.549	6.454	5.277	4.830	3.940	3.947	5.854	7.982	7.650	7.296	7.701
	TOTAL OBS	2851	2608	2911	2865	2959	2814	2965	2969	2787	2965	2868	2948	34510
ALL HOURS	MEAN	39.1	41.6	41.7	44.0	46.8	49.4	51.6	51.3	49.3	46.0	43.2	40.0	45.4
	S D	8.056	7.564	7.068	6.951	6.203	5.659	4.683	4.610	6.280	8.105	7.907	7.547	8.018
	TOTAL OBS	23132	21136	23599	23198	23995	22976	24157	24224	22723	24194	23634	24126	281094

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVIC-/MAC

RELATIVE HUMIDITY

2320P MCCLELLAN AFB CALIF/SACRAMENTO

39-72

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.5	98.0	94.7	88.7	78.4	62.1	33.0	81.2	23127
FEB		100.0	99.9	99.0	96.0	90.0	80.3	66.5	46.2	19.9	75.5	21133
MAR		100.0	99.4	96.5	89.9	79.0	66.2	50.4	29.8	8.6	67.7	23597
APR		100.0	98.3	92.1	83.2	71.4	57.3	41.8	21.8	5.0	62.7	23196
MAY		100.0	96.2	87.6	75.3	60.9	46.0	30.7	13.6	2.6	56.9	23995
JUN		99.8	93.4	81.5	66.2	49.9	34.8	20.3	7.4	.8	51.0	22976
JUL		99.8	92.4	76.6	58.8	42.1	26.2	13.5	4.5	.2	47.0	24152
AUG		99.9	93.5	78.4	62.3	46.2	30.5	17.0	6.7	.5	49.1	24224
SEP		99.9	93.0	79.3	63.4	47.1	32.5	19.9	9.1	1.4	50.1	22721
OCT		100.0	96.8	87.4	75.1	61.2	46.4	33.0	19.1	5.9	53.2	24193
NOV		100.0	99.5	96.7	91.3	83.2	73.0	60.1	42.0	17.5	72.1	23632
DEC		100.0	99.8	99.2	97.6	94.1	88.3	79.1	62.7	31.5	81.1	24122
TOTALS		100.0	96.9	89.5	79.8	68.4	55.9	42.6	27.1	10.6	62.7	281068

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RELATIVE HUMIDITY

F - 3

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OAS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEE	00-02	100.0	100.0	100.0	99.6	98.3	95.1	88.6	69.0	32.2	54.1	2502
	03-05	100.0	100.0	100.0	99.9	99.1	96.4	91.0	74.6	38.4	85.9	2599
	06-08	100.0	100.0	100.0	100.0	99.0	96.7	90.4	74.4	37.3	55.7	2662
	09-11	100.0	100.0	99.6	96.7	91.8	81.3	60.6	34.6	13.6	73.7	2697
	12-14	100.0	99.7	90.4	88.6	74.5	53.4	31.9	15.7	3.6	62.0	2697
	15-17	100.0	99.7	95.9	86.1	69.5	48.9	29.2	14.0	3.5	60.2	2567
	18-20	100.0	100.0	99.8	97.8	91.3	78.9	60.9	33.1	9.6	72.7	2608
	21-23	100.0	100.0	99.9	99.2	96.7	92.0	79.3	53.8	20.2	80.0	2608
TOTALS		100.0	99.9	99.0	96.0	90.0	80.3	66.5	46.2	19.9	75.5	21133

RELATIVE HUMIDITY

MAR
MCHIN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.0	97.4	92.9	79.2	53.2	14.0	79.1	2913
	03-05	100.0	100.0	100.0	99.7	98.6	95.8	85.9	62.2	22.0	82.1	2906
	06-08	100.0	100.0	100.0	99.4	97.6	93.0	80.5	54.2	16.8	80.0	2975
	09-11	100.0	99.7	97.7	92.1	79.2	59.9	34.5	12.4	2.9	63.4	3004
	12-14	100.0	98.2	90.0	74.3	51.5	26.2	13.0	6.7	1.8	51.7	3005
	15-17	100.0	97.5	86.4	65.9	42.8	23.2	13.3	7.2	2.0	49.3	2973
	18-20	100.0	99.9	98.2	90.5	75.7	55.8	33.0	13.5	3.2	62.6	2911
	21-23	100.0	100.0	99.7	98.1	94.1	82.9	64.1	32.0	7.4	73.6	2910
TOTALS		100.0	99.4	96.5	89.9	79.1	66.2	50.4	29.8	8.8	67.7	23597

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MCCELLELLA, AFS CALIF/SACRAMENTO

40-72

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**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

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RELATIVE HUMIDITY

4-2

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	99.4	93.5	77.3	52.6	26.9	8.4	.4	61.5	2962
	03-05	100.0	100.0	99.8	97.1	87.5	69.4	47.9	21.4	1.1	59.0	3018
	06-08	100.0	100.0	99.0	92.4	76.9	52.7	23.7	4.8	.1	60.6	3045
	09-11	100.0	98.6	84.8	55.9	22.5	4.0	.2			42.1	3039
	12-14	99.8	86.0	43.4	9.2	1.1	.2	.1	.1		29.4	3054
	15-17	98.8	65.3	22.5	3.3	.6	.2	.1	.1	.0	24.6	3046
	18-20	99.7	89.0	66.2	35.4	12.5	2.8	.4	.1	.1	35.2	3023
	21-23	100.0	100.0	97.7	84.8	58.5	27.6	8.6	1.2	.1	55.3	2965
TOTALS		99.8	92.4	76.6	58.8	42.1	26.2	13.5	4.5	.2	47.0	24152

RELATIVE HUMIDITY

49-75

AUG
MONTH

MON:	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	06-02	100.0	100.0	99.3	94.6	80.4	56.9	32.7	12.7	.7	63.4	2970
	03-05	100.0	100.0	99.7	97.1	88.7	73.0	51.6	25.5	2.2	69.6	3032
	06-08	100.0	100.0	99.2	94.4	82.6	63.3	34.3	11.2	.6	64.3	3065
	09-11	100.0	98.7	86.1	62.1	30.9	8.1	.9	.2		44.2	3050
	12-14	99.9	88.6	48.2	15.0	2.4	.4	.2	.1		31.0	3055
	15-17	99.1	69.4	27.7	5.1	1.5	.4	.2	.2		26.0	3050
	18-20	99.9	91.6	69.4	41.5	19.8	6.3	1.4	.3	.1	38.5	3033
	21-23	100.0	99.8	97.7	86.6	63.6	35.6	14.3	2.0	.2	55.6	2969
TOTALS		99.9	93.5	78.4	62.3	46.2	30.5	17.0	6.7	.5	49.1	24224

DATA PROCESSING BRANCH
ETAC/USAF
IP WEATHER SERVICE/MAC

RELATIVE HUMIDITY

2320R
STATION

MCLELLAN AFB CALIF/SACRAMENTO
STATION NAME

40-72

PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	99.8	98.7	91.4	76.3	57.5	37.8	15.7	2.0	63.5	277
	03-05	100.0	99.9	99.5	95.4	84.7	67.7	50.0	23.1	4.9	58.9	2839
	06-08	100.0	99.9	98.7	91.8	78.4	62.6	41.7	18.9	2.5	65.2	2864
	09-11	100.0	96.7	79.4	58.9	36.0	13.8	3.5	1.4	.5	44.5	2801
	12-14	99.8	82.2	51.0	21.9	5.3	1.8	1.1	.7	.2	31.8	2874
	15-17	99.5	71.0	37.2	15.1	4.1	1.6	1.1	.6		28.6	2873
	18-20	100.0	95.1	73.5	49.5	29.4	13.3	4.0	1.3	.4	42.3	2345
	21-23	100.0	99.7	96.0	82.3	62.8	41.3	20.2	5.7	.9	56.5	2787
TOTALS		99.9	93.0	79.3	63.4	47.1	32.5	19.9	9.1	1.4	50.1	22721

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

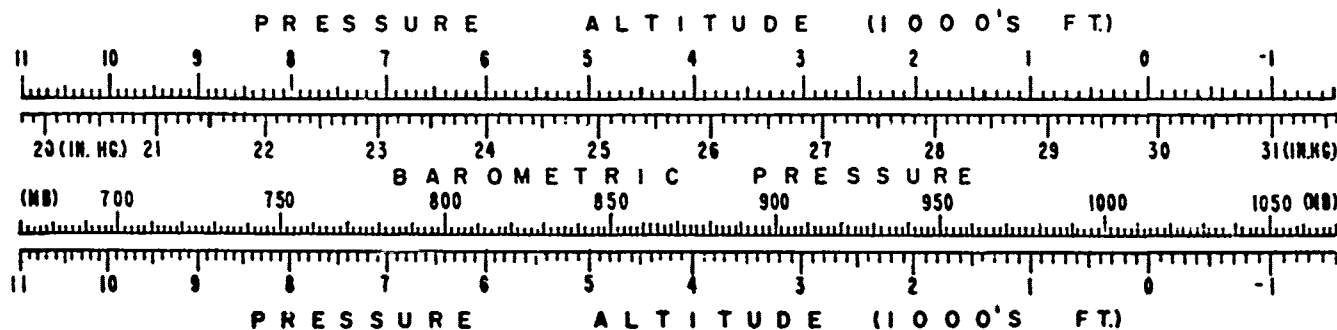
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23200 MCCLELLAN AFB CALIF/SACRAMENTO 46-63,65-74

STATION		STATION NAME												YEARS											
MRS. LIST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
01	MEAN	30.04930	30.01729	29.96629	29.91529	29.85429	29.79429	29.78529	29.79429	29.79429	29.89829	29.99630	29.047	29.909											
	S D	.176	.165	.145	.120	.109	.095	.074	.076	.087	.106	.146	.170	.162											
	TOTAL OBS	771	760	770	742	771	727	772	805	778	806	778	803	9223											
74	MEAN	30.04930	30.01029	29.96029	29.91329	29.85429	29.79829	29.79029	29.79729	29.79629	29.89829	29.99530	29.046	29.909											
	S D	.179	.169	.147	.120	.107	.094	.074	.075	.086	.106	.148	.172	.161											
	TOTAL OBS	770	698	767	742	769	727	767	804	778	802	777	801	9262											
07	MEAN	30.06030	30.02329	29.98229	29.94229	29.88329	29.82729	29.82529	29.83229	29.82829	29.92330	29.01330	29.057	29.933											
	S D	.180	.172	.150	.124	.108	.093	.073	.075	.086	.108	.148	.174	.157											
	TOTAL OBS	771	700	770	740	769	728	768	806	777	805	777	804	9215											
10	MEAN	30.09630	30.05030	29.00429	29.95829	29.89029	29.83129	29.83229	29.84429	29.84429	29.94330	29.04130	29.091	29.952											
	S D	.178	.173	.151	.124	.110	.093	.072	.074	.086	.110	.149	.176	.163											
	TOTAL OBS	772	699	769	742	770	726	762	793	771	805	776	802	9187											
13	MEAN	30.04930	30.01529	29.97129	29.92829	29.86129	29.80629	29.80529	29.81229	29.80629	29.89829	29.99430	29.042	29.915											
	S D	.174	.169	.149	.123	.111	.095	.073	.076	.088	.110	.147	.173	.159											
	TOTAL OBS	770	699	772	741	771	727	767	801	780	800	775	804	9207											
16	MEAN	30.02329	29.98029	29.93029	29.88329	29.81829	29.76329	29.75629	29.76129	29.75729	29.86029	29.96630	29.020	29.876											
	S D	.169	.164	.144	.121	.112	.096	.075	.078	.090	.109	.142	.168	.162											
	TOTAL OBS	766	696	771	740	770	729	766	793	774	801	767	787	9160											
19	MEAN	30.03229	29.98429	29.93129	29.87729	29.81429	29.75529	29.74629	29.75129	29.75529	29.86729	29.97130	29.029	29.876											
	S D	.171	.162	.143	.119	.111	.096	.076	.078	.090	.109	.145	.168	.166											
	TOTAL OBS	770	701	770	741	769	727	770	805	776	799	778	798	9204											
22	MEAN	30.04930	30.00629	29.95929	29.90629	29.84829	29.79029	29.78029	29.78529	29.78629	29.89529	29.99330	29.048	29.903											
	S D	.174	.166	.143	.118	.108	.094	.075	.077	.087	.107	.146	.168	.162											
	TOTAL OBS	766	720	768	745	770	727	771	802	779	805	779	799	9208											
ALL HOURS	MEAN	30.05130	30.01129	29.96329	29.91629	29.85329	29.79529	29.79029	29.79729	29.79629	29.89829	29.99630	29.047	29.909											
	S D	.176	.169	.148	.124	.112	.098	.079	.082	.092	.111	.148	.172	.163											
	TOTAL OBS	6156	5393	6157	5930	6159	5818	6143	6409	6213	6423	6207	6398	73606											

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

23209 MCCLELLAN AFB CALIF/SACRAMENTO 39-72

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
01	MEAN	1020.71	1019.21	1017.61	1015.91	1014.21	1012.01	1011.81	1012.01	1011.91	1015.41	1018.71	1020.31	1015.81											
	S D	6.059	5.672	4.980	4.151	3.585	3.084	2.477	2.562	2.916	3.592	4.921	5.700	5.422											
	TOTAL OBS	957	891	986	954	988	937	988	991	958	992	957	969	11590											
04	MEAN	1020.61	1019.01	1017.41	1015.81	1014.21	1012.21	1012.01	1012.11	1012.11	1015.41	1018.71	1020.11	1015.81											
	S D	6.080	5.819	5.037	4.143	3.538	3.044	2.471	2.503	2.863	3.604	4.923	5.932	5.377											
	TOTAL OBS	986	896	984	954	986	967	1015	1022	988	1018	987	1018	11821											
07	MEAN	1020.91	1019.41	1015.11	1016.81	1015.11	1013.11	1013.21	1013.31	1013.21	1016.31	1019.41	1020.41	1016.61											
	S D	6.076	5.907	5.141	4.250	3.561	3.027	2.444	2.496	2.871	3.672	4.906	5.915	5.255											
	TOTAL OBS	1019	926	1020	983	1018	968	1016	1023	986	1022	1010	1050	12039											
10	MEAN	1022.11	1020.41	1018.81	1017.31	1015.31	1013.21	1013.41	1013.71	1013.61	1016.91	1020.31	1021.61	1017.21											
	S D	6.048	5.933	5.180	4.274	3.592	3.019	2.432	2.487	2.873	3.725	4.903	5.976	5.459											
	TOTAL OBS	1019	927	1018	984	1017	966	1010	1000	981	1022	1010	1048	12711											
13	MEAN	1020.41	1019.01	1017.71	1016.31	1014.31	1012.31	1012.41	1012.51	1012.31	1015.41	1018.61	1019.91	1015.91											
	S D	5.925	5.863	5.116	4.226	3.648	3.081	2.447	2.586	2.951	3.701	4.821	5.866	5.307											
	TOTAL OBS	1017	926	1020	983	1018	967	1015	1018	990	1017	1007	1048	12026											
16	MEAN	1019.61	1017.91	1016.31	1014.81	1012.91	1011.01	1010.81	1010.81	1010.71	1014.11	1017.81	1019.21	1014.71											
	S D	5.802	5.649	4.976	4.161	3.678	3.132	2.515	2.592	2.972	3.677	4.680	5.685	5.414											
	TOTAL OBS	1014	923	1019	980	1017	969	1013	1010	984	1018	999	1034	11980											
19	MEAN	1020.01	1018.11	1016.41	1014.71	1012.81	1010.71	1010.51	1010.51	1010.71	1014.41	1018.01	1019.51	1014.71											
	S D	5.893	5.594	4.923	4.111	3.634	3.130	2.518	2.598	2.969	3.667	4.780	5.774	5.539											
	TOTAL OBS	987	899	987	953	985	967	1018	1021	986	1017	988	1013	11821											
22	MEAN	1020.61	1018.91	1017.41	1015.71	1014.01	1011.91	1011.61	1011.71	1011.61	1015.31	1018.61	1020.01	1015.61											
	S D	6.016	5.679	4.906	4.072	3.542	3.063	2.494	2.573	2.921	3.617	4.883	5.645	5.423											
	TOTAL OBS	952	891	985	954	988	937	988	988	958	991	959	985	11576											
ALL HOURS	MEAN	1020.61	1019.01	1017.51	1015.91	1014.11	1012.11	1012.01	1012.11	1012.01	1015.41	1018.81	1020.21	1015.81											
	S D	6.025	5.808	5.093	4.258	3.694	3.186	2.658	2.745	3.079	3.754	4.907	5.851	5.462											
	TOTAL OBS	7951	7279	8021	7745	8015	7678	8063	8082	7831	8097	7917	8185	94864											